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Forest and Wood Products Research and Development Corporation

Timber Floor Research

Literature Review

Australian Government
Forest and Wood Products
Research and Development
Corporation

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Researchers:
R. Trethewy
University of NSW
Building Research Centre, The University of NSW, Sydney, NSW 2052

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Forest and Wood Products Research and Development Corporation
PO Box 69, World Trade Centre, Victoria 8005
Phone: 03 9614 7544 Fax: 03 9614 6822 Email: info@fwprdc.org.au
Web: www.fwprdc.org.au

Timber Floor Research

Literature Review

Prepared for the

Forest & Wood Products
Research & Development Corporation

by

R. Trethewy

(Please note that when the original, hard copy report was scanned, some imperfections were recorded on the electronic file.)

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1.0 INTRODUCTION:

This report provides the results of a literature search of available local and overseas information relating to timber flooring and any unique floor systems other than the standard bearer and joist system used in Australia. In addition, information relating to domestic foundation systems, or foundation systems which could be adapted to domestic use, was also searched with particular emphasis on any new methods of supporting a brick wall without traditional concrete strip footings.

The report is provided into two parts, "A" & "B". Part A provides a detailed list of articles extracted from the databases searched. Articles are categorised under the following key subject areas:

- floor & sub floor systems;
- floor elements;
- floor construction;
- footing systems; and
- timber & wooden flooring.

Each article is given a (*) rating regarding its relevancy to the research topic. (***) indicates most relevant; (**) relevant; (*) least relevant.

Part B provides details of overseas, and some local, information forwarded to the Building Research Centre as a result of formal requests to a number of industry related organisations

2.0 INTERNATIONAL ENQUIRIES

Requests for information, on timber flooring and foundation systems, have been forwarded to the following countries requesting information:

- **Canada** - Canadian Wood Council, Canadian Manufactured Housing Association, Canadian Construction Association, Ontario New Home Warranty Program, Canada Mortgage and Housing Corporation.
- **Finland** - VTT Building Technology.
- **Italy** - University of Rome Department of Materials and Construction Technology;
- **Japan** - Building Centre of Japan, Musashi Institute of Technology, Mitsui Home Co.
- **Norway** - Norwegian Building Institute.
- **New Zealand** - BRANZ, University of Canterbury Department of Civil Engineering, Tasman Lumber Company, Carter Holt Harvey.
- **Sweden** - Swedish Council for Building Research, University of Stockholm.
- **Switzerland** - Swiss Federal Institute of Technology.
- **United Kingdom** - Building Research Establishment, TRADA, Guildway Timber Structures.
- **United States of America** - National Association of Home Builders, American Plywood Association, Truss Joist Corporation, American Institute of Timber Construction, US Department of Agriculture - Forest Products Laboratory, Weyerhaeuser Forest Products.

3.0 DATABASES:

The following databases were the subject of the search:

3.1 Local:

Search conducted at the University of New South Wales and University of Technology.

- "BUILD"- International building and construction (Australian);
- "APAIS" - and Australian Public Access Catalogues;
- "ARCH" - Architecture (Australian);
- "ENGINE" - Engineering (Australian); and
- "COMPENDEX" (international engineering).

3.2 International:

Search conducted at the University of New South Wales using:

- The "Internet" using Netscape software:

  enabled detailed searches of publication lists and articles at the **Poly Technic University Hong Kong - Department of Building and Real Estate, VTT Building Technology Finland, University of Geneva - Building and Engineering, Delft University - Civil Engineering, The Dutch Institute for Applied Building Research.**

- "ICONDA" International Construction Database.

3.3 Keywords for the search included the following words and combination multiples of these words:

- timber and flooring, timber and foundations, timber and framing, framing; timber, timber construction, timber floor construction, residential timber floors, timber floor design;
- wooden floors, wooden floor design, wooden floor construction;
- floor and systems, floor construction, sub floor, floors, floor elements, floor components, floor design;
- foundation systems; foundations; footings; footings design; domestic foundation design, house footings, foundations/footings and domestic;
- piers and piles, brick veneer/wall foundations, new foundation design, house foundations, foundation methods.

4.0 ARTICLES RETRIEVED - LOCAL DATABASES:

Floor & Sub Floor Systems:

Rating (*)	
TITLE	**Domestic Timber Floor Systems**
CORP. AUTHOR	Timber Promotion Council (Australia)
PUBLISHER	Blackburn, Vic. : Timber Promotion council, [19--1]
PHYSICAL DESC.	[9] p. : Wooden
DOCUMENT TYPE	PAMPHLETS
LOCATION	MELB: P 694.5 Do
RECORD NUMBER	M920758
BUILD DATABASE	

Rating (*)	
TITLE	**The balloon frame myth. - A timber building method adopted from the United States.**
AUTHOR	Bell, Peter
SOURCE	Journal of Australian Studies, No 12, June 1983: 53-56
DATE	9306
MAJOR DESCRIPTORS	BUILDING
MINOR DESCRIPTORS	Architecture, Domestic; Queensland; Building materials; History; Great Britain; Pioneer Settlement
COLLATION	bibl., diagr
INPUT DATE	8503
ACCESSION NUMBER	A85032437
APAIS DATABASE	

Timber & Wooden Flooring:

Rating (***)

TITLE	**Housing: Timber and major house builders**
AUTHOR	Long, Eddie
SOURCE	Builder NSW Vol 14 No 5 Jun 1985 pp 289-290
DATE	8506
ABSTRACT	Discussion paper from a Panel discussion night on April 29, 1985 organised by the Sydney /timber Club No 215 on the topic. Asserts that the timber industry should not be complacent and should address the needs of the future market in terms of trends and uses of existing and new products. Canvasses such issues as future use of timber; concrete slab or timber floor; hardwood versus softwood; use of engineered timber products.
DESCRIPTORS	TIMBER; BUILDING MATERIALS; HOUSING
DOC TYPE	Discussion paper
DOCNO	000001935
ARCH DATABASE	

Rating (**)

TITLE	**Planar stressed-skin floors: a load response comparison**
BY	CARSON, J LYNGCOLN, KJ MCDOWALL, CG MACKENZIE, C VAN WOLLINGEN, F WALSH, PAUL, FRANCIS
AUTHOR LOCATION	Australian Timber Research Institute Plywood Association of Australia Capricornia Institute,

	Rockhampton Timber Research & Development Advisory Councils Capricornia Institute, Rockhampton
SPONSOR	Australian Timber Research Institute Plywood Association of Australia
PUBLISHER	Barton: IEAust, 1987
SOURCE	First national structural engineering conference 1987: Melbourne 26-28 August 1987: preprints of papers. Vol 1, P 170-174
DATE	1987
COLLATION	5 p charts 3 refs
SERIES	National Conference Publication (IEAust) no 87/10
ABSTRACT	Two timber framed, plywood sheathed stressed skin floor systems were constructed and tested under static and dynamic loading conditions. One system was conventional bearer/joist system consisting of 120 x 45mm x F5 pine joists on 600mm centres. These joists spanned continuously over three, 2.4m bays with pine bearers of the same cross section spanning 2.4m in the transverse direction. The other system was a low profile floor consisting of three, 2.4 x 2.4m panels spanning continuously over three bays. Longitudinal (joist) and transverse (bearer) members (120 x 45mm x F5 pine) of the system were planar with joist to bearer connection being effected through Pryda joist hangers nailed to the bearers at 600mm centres. For both systems the 17mm thick, F11 structural plywood flooring was glue/nailed to the members using H B Fuller's elastomeric adhesive, the bond pressure being developed by 2.8mm diameter x 50mm long machine driven nails located at 150mm centres.
DESCRIPTORS	FLOORS - testing
MINOR DESCRIPTORS	PLYWOOD - applications; FLOORS - wood; FLOORS design; FLOORS - construction; FLOORS - strain;

	FLOORS - analysis; STRAIN - measurements;
	FLOORS - stresses
IDENTIFIERS	SUB FLOOR ASSEMBLY; STRAIN GAUGING;
	DEFLECTION ANALYSIS
DOCUMENT TYPE	C
DOCUMENT NUMBER	890286
ENGINE DATABASE	

Rating (**)

TITLE	**Dynamic Performance of Australian Domestic Floors**
BY	Lam Pham, Jenny H. Yang
AUTHOR	Pham, Lam; Yang, Jenny H.
CORP AUTHOR	CSIRO. Division of Building, Construction and Engineering
PUBLISHER	[Highett, Vic. : Division of Building, Construction and Engineering]
SOURCE	Repr: International CIB/IABSE Colloquium on structural Serviceability of Buildings, Gotenborg, Sweden, 9-11 June 1993, [6 p.]
DATE	1993
SERIES	DBCE Library reprint
ABSTRACT	This paper examines the dynamic characteristics of currently used Australian domestic floors of timber and steel joists with timber decking. The responses of these floors to a concentrated load of 1kN and to an unit impulse of 1 Ns are evaluated.
DESCRIPTORS	DYNAMIC LOADS
SUBJECT	Flooring -- Testing; Flooring, Wooden
DOCUMENT TYPE	REPRINTS
COMMENTS	Bibliography: p. 177-179
ISBN	0901 348 89 9

LOCATION	MELB: DBCE reprints, 1993; SYD: DBCE reprints, 93/013
RECORD NUMBER	M921995
BUILD DATABASE	

Rating (**)

TITLE	**Timber intermediate floors for dwellings (excluding compartment floors)**
CORP AUTHOR	Timber Research and Development Association
PUBLISHER	High Wycombe, Buchinghamshire : TRADA
DATE	1991
DESCRIPTORS	TIMBER FLOORING: HOUSES
SUBJECT	Flooring, Wooden -- Great Britain -- Regulations; Dwellings -- Great Britain -- Regulations
DOCUMENT TYPE	PAMPHLETS
NOTES	TRADA approved document; 'The building regulations 1991
COMMENTS	'July 1992'
ISBN	0-901348-90-2
LOCATION	MELB: P 694.5 Ti
RECORD NUMBER	M930013
BUILD DATABASE	

Rating (*)

TITLE	**Pynefloor and Superfloor (particle board flooring)**
CORP AUTHOR	Building Research Association of New Zealand; Fletcher Wood Panels Ltd.
PUBLISHER	Porirua, N.Z. : Building Research Association of New Zealand
DATE	1993

SERIES	BRANZ appraisal certificate ; no. 254 (1993)
PHYSICAL DESC	[6] p. : ill. ; 30 cm.
ABSTRACT	This certificate relates to Pynefloor and Superfloor (Particle Board Flooring), which consist of 20 mm thick panels manufactures from wood particles bonded with adhesive. The products are manufactured and marketed by Fletcher Wood Panels Limited Auckland. The products have been appraised for use as a single layer of flooring panels pre-or post-laid on suspended timber floors in housing, and as an overlay for concrete slab-on-ground floors, and suspended concrete or timber floors.
DESCRIPTORS	WOOD PARTICLE BOARDS; APPRAISAL CERTIFICATES
DOCUMENT TYPE	SERIES
ISSN	0111-1000
LOCATION	SYD: Series NZ; MELB:" Series 330
RECORD NUMBER	S940232
BUILD DATABASE	

Rating (*)

TITLE	**Wood Block Floors**
AUTHOR	Andrews, Russell
SOURCE	Owner /builder No 57 Jun/Jul 1993 pp 28-29
DATE	9306
ABSTRACT	Article on the construction of a wood block floor in an owner-built home.
DESCRIPTORS	FLOORING ; TIMBER
DOC TYPE	Journal article
NOTES	photos
DOCNO	000012627
ARCH DATABASE	

Rating (*)

TITLE	**Use of Structural (C5) grade chipboard**
BY	A. R. Abbott ... [et al.]
AUTHOR	Abbott A. R.
CORP AUTHOR	Timber Research and Development Association
PUBLISHER	High Wycombe, Bucks., England : Timber Research and Development Association
DATE	1992
PHYSICAL DESC	178 p. : 111
SUBJECT	Particle board; Particle board -- Standards -- Great Britain; Flooring; Roofing; Timber joints; Wooden beams; Wall panels
DOCUMENT TYPE	BOOKS
COMMENTS	Bibliography: p. 177-179
ISBN	0901 348 89 9
LOCATION	MELB: T 624.011.1 Us
RECORD NUMBER	M921967
BUILD DATABASE	

Rating (*)

TITLE	**AHI Environmental Design Awards 1980: Brougham Village Christchurch**
ARCHITECT	Cowey Mills & Co Ltd Architects
SOURCE	New Zealand Architect No 4 1980 pp 30-31
DATE	8000
ABSTRACT	A high density, mainly single storey, urban renewal project completed in 1978 by the Christchurch City Council. The village comprises fifty seven housing units arranged in a series of pedestrian precincts. The units are built of concrete slabs, timber framing Woodtex

	woodwool slabs, Nuralite flat roofing and Monier tiles. Half have solar water heating. The project was Highly Commended in the AHI Environmental Design Awards 1980.
DESCRIPTORS	CLUSTER HOUSING; URBAN RENEWAL; ARCHITECTURAL AWARDS
PROJECT	Brougham Village, Christchurch, NZ
DOC TYPE	Journal article
NOTES	photo plan
DOCNO	000001845
ARCH DATABASE	

Rating (*)

TITLE	**Timber strip flooring and internal linings**
CORP AUTHOR	Building Research Association of New Zealand
PUBLISHER	Porirua, N.Z. : BRANZ
DATE	1993
SERIES	Bulletin (Building Research Association of New Zealand); no. 316
PHYSICAL DESC	7 p. : ill. ; 30 cm.
DESCRIPTORS	TIMBER FLOORING; INTERNAL FINISHES; LININGS; PANELS
SUBJECT	Flooring, Wooden; Wood finishing
DOCUMENT TYPE	SERIES
COMMENTS	Bibliography: p. 177-179
ISSN	1170-8395
LOCATION	SYD: Series NZ
RECORD NUMBER	S940007
BUILD DATABASE	

Rating (*)	
TITLE	**The design of timber flooring for domestic construction**
BY	Joseph J. Mack
AUTHOR	Mack, Joseph J.
CORP AUTHOR	CSIRO. Division of Building Research
PUBLISHER	Melbourne : CSIRO. Division of Building Research
DATE	1978
SERIES	Division of Building Research technical paper (second series) ; no. 24
PHYSICAL DESC	9 p.
ABSTRACT	Empirical formulae have been derived from laboratory tests for the deflection of tongued and grooved timber flooring under a concentrated load. An empirical formula has also been derived for the concentrated load puncture strength of tongued and grooved timber flooring. A method using these formulae has been developed for the design of domestic flooring to satisfy strength and stiffness criteria.: Empirical formulae have been derived from laboratory tests for the deflection of tongued and grooved timber flooring under a concentrated load. An empirical formulae has also been derived the concentrated load puncture strength of tongued and grooved timber flooring. A method using these formulae has been developed for the design of domestic flooring to satisfy strength and stiffness criteria.
SUBJECT	Floors, Wooden -- Design and construction
DOCUMENT TYPE	SERIES
ISBN	0 643 00304 5
LOCATION	MELB: Series 393
RECORD NUMBER	M940967 BUILD DATABASE

Footing Systems:

Rating (***)

TITLE	**Structural foundations break new ground**
SOURCE	Specifier Vol 3 No 3 1994 p 92
DATE	9400
ABSTRACT	Item on the new Australian designed Screw- in Foundation, which won a BHP Steel Award in 1993. Information on its use, installation and advantages is included.
DESCRIPTORS	FOUNDATIONS ; BUILDING AWARDS
DOC TYPE	Product item
NOTES	photo
DOCNO	13779
ENGINE DATABASE	

Rating (***)

TITLE	**Instant foundations secure success in awards**
SOURCE	BCME Vol 34 No 22 Number 244 Nov 1993 p 37
DATE	9311
ABSTRACT	Item on the new Screw- In Foundation developed by Instant Foundations which provide a viable alternative to concrete footings and have won the BHP Australian Steel Award for ingenuity in steel design and usage.
DESCRIPTORS	STEEL ; BUILDING AWARDS ; FOUNDATIONS
DOC TYPE	Product item
NOTES	photo
DOCNO	000012859
ENGINE DATABASE	

Rating (**)

TITLE	**Residential footings and floors: past, present and future**
BY	P F.Walsh
AUTHOR	Walsh, Paul, Francis
CORP AUTHOR	CSIRO. Division of Construction and Engineering
DATE	1988
SERIES	Reprint (CSIRO. Division of Construction and Engineering)
DESCRIPTORS	FOOTINGS
SUBJECT	Housing; Floors
DOCUMENT TYPE	REPRINTS
COMMENTS	Repr. : Housing and construction conference (1988 : Gold Coast/Brisbane< Qld.). Conference proceedings for housing and construction in the age of technology, Gold Coast Brisbane, June 26-July 2, 1988. 1988. Pp. 239-243
LOCATION	MELB: DCE reprint file, 1988
RECORD NUMBER	M891561
BUILD DATABASE	

Rating (**)

TITLE	**A study of house foundations at Elizabeth East, South Australia**
AUTHOR	PILE, KC
AUTHOR LOCATION	South Australia Institute of Technology
PUBLISHER	Barton: IEAust, 1984
SOURCE	Fourth Australia-New Zealand Conference on Geomechanics. Geomechanics - interaction. Perth, Western Australia, 14-18 May 1984. Preprints of papers. V 2. P 466-470

DATE	1984
COLLATION	5 p charts 2 refs
ABSTRACT	The results of observation extending over 17b years on the foundations of 16 houses are presented. The housed are of brick veneer construction with timber floors, built on shallow strip external footings and internal dwarf walls. The soil is an expansive red-brown clay 12 metres deep. It is concluded that the movements of external walls are mainly due to soil moisture changes resulting from domestic activities such as gardening, and that the pattern and magnitude of movements are unpredictable An attempt is made to assess the relevance of the currently used methods for footing design proposed by Walsh and Mitchell. It is found that these methods do not the observed long-term soil deformations accurately. Nevertheless for the soil deformation at the 16 sites in the study, footing properly designed by ether of the above methods would perform satisfactorily.
DESCRIPTORS	HOUSES - foundations
MINOR DESCRIPTORS	FOUNDATIONS - soil structure interaction; SOILS - moisture; FOUNDATIONS - design; SOIL MECHANICS; CLAY; STRUCTURAL DESIGN - foundations
IDENTIFIERS	SOUTH AUSTRALIA HOUSING TRUST; ELIZABETH EAST
DOCUMENT TYPE	C
DOCUMENT NO.	855704
ENGINE DATABASE	

5.0 ARTICLES RETRIEVED - INTERNATIONAL DATABASE:

"ICONDA DATABASE" (Version Silver Platter 3.11)

Floor & Sub Floor Systems:

Rating (***)

TI: **Plywood stressed skin panel floor systems**

AU: Gaunt, T

SO: Wood-World (Vancouver)

PN: v.6, no.1, p. 4-5

PY: 1977

PH: figs

IS: ISSN: 0032-1788

LA: en-English

LS fr-French

DE: timber-construction, plywood-; system-

CP: GB - United-Kingdom

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 825

RI: RSWB 1978(02): 9010112 (DEIRB)

AN: 1986(07):1040499

Rating (***)

TI: Profiled steel sheet/dry boarding composite floors. (Verbunddecken aus profilierten Stahlblechen und Holzdeckschichten).

AU: Wright, -H.-D.; Evans, -H.-R.; Burt -C.-A

SO: Struct-Eng-

PN: v.67, no.7, p114-120, 129

PY: 1989

AN: 1990(08):1001063

Rating (***)

TI: Nuovi sistemi di partizone orizzontale a tecnolgia mista legno-c.a (New systems of floor realisation in mixed technology: wood - reinforced concrete)

AU: Brusati, -Gianfranco, Prof. Arch; Piscitelli, -Magda, Arch

SO: L'Edilizia

PN: v.VII, no. 1/2, p.41-46

PB: Milano: Comunione Ereditaria Eredi de Lettera (Via A Bassini, 17 20131 Milano).

PY: 1993

AN: 1994(03):1300059

Rating (**)

TI: Planar stressed-skin floors, a load response comparison

In: First National Structural Engineering Conference 1987, preprints of papers.

AU: Carson, -J; Lyngcoln, -K -J; McDowall, -C. -G; MacKenzie, -C; Van-Wollingen, -F

AD: Australian Timber Research Institute, Australia. Plywood Association of Australia, Australia. Capriconria Institute, Timber and Wood Products

Research Centre, Australia. Timber Research and Development Advisory Council, Australia

AU Author 1; Address 1; Author 2; Address 2; Author 3; Address 3; Author 4; Address 4; Author 5; Address 3

CA Institution of Engineers, Australia, Australia (Organizer-of-meeting)

CD National Structure Engineering Conference, no. 1, 26 Aug. 1987 -28 Aug 1987, Melbourne, Australia

PN v.1, p 170-174

PB Canberra: The Institute of Engineers, Australia

PY 1987

DD Aug. 1987

PH figs, tabs, refs, 2 vs

IS 0-85825-351-8

LA en-English

LS en-English

DE joist-; timber-; plywood-; floor-; stressed skin; low-profile; bearer-; static; dynamic

AB Two timber framed, plywood sheathed stressed-skin, floor systems were constructed and tested under static and dynamic loading conditions. One system was a conventional bearer/joist system consisting of 120 x 45 mm x F5 pine joist on 600 mm centres. These joists spanned continuously over three, 2.4m bays with pine bearers of the same cross-section spanning 2.4m in the transverse direction. The other system was a low profile floor consisting of three, 2.4 x 2.4m panels spanning continuously over three bays. Longitudinal (joist) and transverse (bearer) members (120 x 45 mm and F5 pine) of the system were planar with joist to bearer connection being affected through Pryda joist hangers nailed to the bearers at 600 m centres. For both systems the 17 mm thick, F11 structural plywood flooring was glue nailed to the members using H.B Fuller's elastomeric adhesive, the bond pressure being developed by 2.8 mm diameter x 50 mm long machine driven nails located at 150 mm centres. (author abstract)

CP Au-Australia

PT 100 Textual; 115 Meeting-document

RI AUCSIRO 1987/10-000031 (AUCSIRO)

AN 1987(12):1500031

Rating (***)

TI: Nuovi sistemi di partizione orizzontale a technologia mista legno-c.a (New systems of floor realisation in mixed technology: wood - reinforced concrete)

AU Brusati, Gianfranco, Prof; Arch; Piscitelli, Magda, Arch

SO L'Edilizia

PN v.VII, no. 1/2, p41-46

PB Milano: Comunioe Ereditaria Eredia De Lettera (Via A. Bazzini, 17 20131 Milano)

PY 1993

DD Feb. 1993

PH ills

LA it-Italian

LS en-English

DE timber-structure; composite-structures

AB The use of timber structures of the realisation of floors was not ever held in a great consideration because of the relevant strain capacity of wood, due to its low E-coefficient. On the other hand, some recent researches, carried on in the field of restoration (see Bibl) led to set up the experimentation and execution of a new composite structure. Probably, this will be the start for a new interest in timber as regard the realisation of floor systems for house and services building.

CP IT-Italy

PT 120 Periodical

AV iticite

RI ICITE 30105 (ITICITE)

AN 1994(03):1300059

Rating (***)

TI: **Deckensystem im flexiblen Wohnungsbau. (Floor systems used in flexible housing)**

AU: Goetz, -L.; Huster, -F.; Koblin, -W.

SO: Bauwelt

PN: v.68, no. 5, p 159-164

PY: 1977

PH: figs, tabs.

IS: ISSN:0005-6855

LA: de-German

DE: construction-component; ceiling-; floor-scheme; flexibility-; housing-construction; costs-

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical

AV: RSWB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 36

RI: RSWB 1987(07):9050273 (DEIRB)

AN: 1986(07):1011972

Rating (**)

TI: **Plywood stressed skin panel floor systems**

AU: Gaunt, -T

SO: Wood-World (Vancouver)

PN: v.6, no.1, p. 4-5

PY: 1977

AN: 1986(07):1040499

Rating (**)

TI: Structural analysis of wood floor systems

AU: Foschi, -Ricardo-O

SO: Journal-of-the-structural-division

PN: v.108, no. 7, p.1557-1574

PY: 1982

AN: 1986(07):1046194

Rating (**)

TI: Design criteria for timber floors in domestic construction.

IN: Conference proceedings for ABIC '92 the International Building Conference, "Efficient & Effective Construction in the '90s"

AU: McDowall, -C.-G; Lyngcoln, -K.-F; MacGregor, -J.-D; Queensland-Master-Builder-Association

CD: Australian Building Industry Conference, Australia, Gold Coast, Qld, 1992

PN: p.123-134

PB: Brisbane Qld: Queensland Master Builders Association

PY: 1992

LA: en-English

LS: en-English

DE: design-criterion; dwelling; floor-system; timber-floor; vibration-dampingation

AB: The need for more economical use of out timber resource, the trend towards the Limit States philosophy of structural design and changes in householders lifestyle have resulted in designers seeking 'leaner meaner and more efficient solutions" to their structural problems. A direct consequence of this quest for minimum structure, particularly in floor systems, is the associated problem of vibration To control this annoying phenomena the designer must have proven criteria available which are, logical in their relationship to the response, and easy to apply To this end the paper reviews the nature of vibration, the major

related researches and International Codes to control the vibrations to an acceptable level for human comfort.

PT: 100 Textual-; 115 Meeting-document

RI: 1994-0171 (AUCSIRO)

AN: 1994(12):1500028

Rating (**)

TI: Wooden floor construction in one-family houses.

PB: Amsterdam: in-house publishing

PY: 1972

AN: 1986(08):1001415

Rating (**)

TI: Structural analysis of wood floor systems.

AU: Foschi, -Ricardo-O

SO: Journal-of-the-structural-division

PN: v.108, no.7, p1557-1574

PY: 1982

PH: figs, tabs, refs.

IS: ISSN: 0044-8001

LA: en-English

DE: timber-construction; beam-; timber-beam-floor; calculation-; beam-grillage; t-beam; model-testing; finite-element-method; EDP-calculation

CP: US-United States

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 281ST

RI: RSWB 1983(01):9070182 (DEIRB)

AN: 1986(07):1046194

Rating (*)

TI: **Products in practice; partitions, ceilings and raised floors.**

SO Architects' journal (London)

PY 1986

DD 24 Sep. 1986

IS ISSN: 0003-8466

LA en-English

DE suspended-ceiling; floor-space; partitioning-; raised-access-floor

AB Previews recent developments in proprietary partitioning, suspended ceilings and raised access floor systems. Includes specification checklists.

CP GB - United-Kingdom

PT 120 Periodical

AV DEIRB Informationszentrum Raum und Bau Stuttgart, Germany: Z 1106

RI PICA ps861714 (GBPSA)

AN 1987(01):1100115

Rating (*)

TI: **Performance and acceptability of wood floors. Forintek studies**

In (Proceedings. Symposium/Workshop on Serviceability of Buildings) (Movements, Deformations, Vibrations)).

AU Onysko, -D.-M.

AD Forintek Canada Corp., firm, Canada

AL Author 1; Address 1

CA National Research Council Canada, Institute for Research in Construction, Canada (Funder-Sponsor)

CD Symposium/Workshop on Serviceability of Buildings (Movements, Deformations, Vibrations), Canada, University of Ottawa, 16 May 1988 - 18 May 1988

PN p.477-494

PB Ottawa: National Research Council Canada

PY: 1989

PH: figs, refs, 2 vs

IS: 0-660-12788-1

LA: en-English

LS: en-English

DE: floor; wood

AB The results of floor research at Forintek are summarised. Included are investigations on the contribution of bridging, the effect of its placement and the effect of drying out of floors on its effectiveness. Other studies concern the contribution of the floor stiffness made by parquet flooring and multiple layer flooring, field gluing, continuous joists, and the placement and attachment of partitions. The analytical techniques used were extensions of work by others. Field studies provided data for correlation of floor performance with acceptability by occupants and the formation of a performance criterion based on the deflection of floor systems under the action of a concentrated point load. (author abstract)

CP CA-Canada

PT: 100 Textual-; 115 Meeting-document

RI: CSIRO 10057-1989/06 (AUCSIRO)

AN: 1989(10): 1500055

Rating (*)

TI: Dynamic study of stub girder floor systems

IN: (Proceedings. Symposium/Workshop on Serviceability of Buildings (Movements, Deformations, Vibrations)).

AU: Matthews, -C.-M; Montgomer, -C. -J.

CD: Symposium/Workshop on Serviceability of Buildings (Movements, Deteriorations, Vibrations), Canada, University of Ottawa, 16 May 1988-18 May 1988.

CA: National Research Council Canada, Institute for Research in Construction, Canada (Funder. -Sponsor)

AD Centre for Frontier engineering Research, Canada. Lamb McManus Associates Ltd., firm, Canada.

AL Author 1: Address 1; Author 2: Address 2.

PN p.465-476

PB Ottawa: National Research Council Canada

PY 1989

PH figs, tabs, refs, 2vs

IS 0-660-12788-1

LA en-English

LS en-English

DE floor-system, stub-girder

AB Results are presented from an experimental investigation to determine the dynamic response of a stub girder floor system when subjected to heel impacts. The authors believe that this is the first study undertaken to determine the dynamic characteristics of a stub girder floor. The natural frequencies of vibration, the peak acceleration response, the mode shapes, and the modal dampingratios have been derived by monitoring the response of a floor to a series of heel impact tests. From consideration of the test results, a procedure is suggested for evaluating the dynamic characteristics of stub girder floor systems at the design stage. (author abstract)

CP CA-Canada

PT 100 Textual-; 115 Meeting-document

RI CSIRO 10056-1989/06 (AUCSIRO)

AN 1989(10):1500054

Rating (*)

TI: The structural design of timber joisted domestic floors.

PY 1975

AN 1986(08):10013600

Rating (*)

TI: **Verstaerkung von Holzbalkendecken durch nachtraegliche Scheibenausbildung - T-foermiger Verbundkoerpar. (Bracing of timber beam floors by means of subsequent plate forming - a T-shaped composite unit)**

AU: Moenck, -Willi

SO: Bauzeitung

PN: v.36, no.3, p152-157

PY: 1982

AN 1986(07):1029494

Floor Construction:

Rating (***)

TI: Profiled steel sheet/dry boarding composite floors. (Verbunddecken aus profilierten Stahlblechen und Holzdeckschichten)

AU: Wright, -H.-D.; Evans, -H.-R.; Burt, -C.-A

SO: Struct-Eng-

PN: v.67, no. 7, p.114-120, 129

PY: 1989

PH: figs, tabs, refs

IS: ISSN: 0039-2553

LA: en-English

DE: construction-component, ceiling-, floor-; housing-construction; composite-construction; trapezoidal-sheet-metal; surface-layer; chipboard-; connection-means; nail-; screw-; bearing-capacity; deformation-; test-series; plywood-board; flexibility-

AB: This paper describes the development of a lightweight composite flooring system suitable for use in domestic, lightly loaded office buildings and mezzanine floors. The use of this systems may be in new build or renovation work, although it was originally conceived as a replacement to existing timber joist floors. The problems associated with existing floor construction are outlined, and a brief review of possible replacement floor systems is presented. The profiled steel sheet/dry board composite floor is described and a series of structural performance tests reported. The results of these tests are compared to the results of an analytical method that has been used to model the behaviour, and suitable design methods for strength and stiffness calculations are proposed. In addition, the practical application of the new floor system is discussed and noise, fire, insulation and installation problems are also briefly covered. It is concluded that the profiled steel sheet/dry board composite floor is a suitable system for use in lightly loaded buildings. (-z-)

CP: GB - United Kingdom

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1459

RI: RSWB 1990(04) 9365037 (DEIRB)

AN: 1990(08):1001063

Rating (***)

TI: Wooden structures. Construction technique

In: Wood, ferrocement and plastics in shells and spatial structures

AU: Tupamaeki, -P.-A. (Editor)

CA: Univ. Oulu, Department of Civil Engineering (Organiser-of-meeting) (Editor)

* International Association for Shell and Spatial Structures - IASS - (Organiser-of-meeting)

PN: p.229-272

PB: Oulu: in-house publishing

PY: 1980

PH: figs, tabs, refs

SE: Acta Univ. Ouluensis, Ser.C Tech.; 16. Artes Constr.; 3

LA: en-English

DE: timber-construction; shell-; load-bearing-behaviour; calculation-; buckling (plate)-; nodal-point; laminated-beam; glued-girder; production-; application-; composite-system ; floor-construction

PT: 850 Commercially-published-monograph

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: 31 Wood

RI: RSWB 1970(00):9013910 (DEIRB)

AN: 1987(02):1001616

Rating (**)

TI: Bodenkonstruktionen mit Holzfasserplatten. Steigerung des Wohnkomforts. (Floor designs based on wood fibreboard for added housing comfort)

AU: Steiger, -Urs

SO: Schweizer-Holzbau

PN: v.57, no. 9, p.34-35

PY: 1991

PH: figs

LA: de-German

LS de-German

DE: construction-component; floor-; sub-floor; wood-fibre-board; structural-design; floor-construction; thermal-insulation; sound-insulation; processing-

CP CH-Switzerland

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z1494

RI: RSWB 1991(05):9004836 (DEIRB)

AN: 1992(04):1001066

Rating (**)

TI: Platform floors; raised access floors.

SO: Construction (PSA)

PN: p. 8-9

PY: 1990

LA: en-English

DE: floor-; floor construction; floor-structure; flooring-; platform-floor; platform-construction; raised-access-floor; raised-floor; Property-Services-Agency; Method-of-Building

AB: Provides an introduction to Performance Specification MOB PF2-January 1990: a current Method of Building specification for raised access floors.

CP: GB - United-Kingdom

PT 120 Periodical-

AV GBBL British Library, Boston Spa, Great Britain

RI PICA psa2095373 (GBPSA)

AN 1991(10):1100640

Rating (**)

TI: Timber in buildings

AU Stokdyk, -J.; Grimsdale -P.; Ridout -G

SO Building (London)

PN v.CCLIII no. 7574, p.49, 52-53, 58-59, 64-65

PY 1988

DD Nov. 1988

IS ISSN: 0007-3318

LA en-English

DE timber-; timber-building; timber-construction; timber-frame; timber-structure; energy-use; glued-timber-construction; housing-, floor-; floor-construction; glulam-; suspended-floor;

AB Reports on the commercial ups and downs in the timber industry and how optimism is rising as higher energy standards will improve timber's fortune. Describes how glue laminated timber (glulam) is establishing itself for its strength and aesthetics, plus its wide range of applications. Covers timber frame housing and use of timber for suspended floor construction (Comprises 3 articles)

CP GB - United Kingdom

PT 120 Periodical

AV GBBL, British Library, Boston Spa, Great Britain

DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1466

RI PICA ps881572 (GBPSA)

AN 1989(03):1100598

Rating (**)

TI: American plywood for timber frame construction

CA: American Plywood Association (Originator)

PB: London: American Plywood Association

PY: 1985

PH: 22p , ill

LA: en-English

DE: plywood-; wood-; wood-based-materials; plywood-industry; wood-based-materials-industry; wood-industry; wood-trade; timber-; timber-frame; timber-frame-construction; floor; floor-construction; wall-; cladding-; roof-; roofing-; wall-sheathing; roof-sheeting; trademark-; plywood-grade: American-Plywood-Association

AB: Summarises plywood application recommendations for timber frame construction, including floors, wall sheathing, cladding and roof sheathing. Information contained herein is based on the use of American Plywood Association trademarked plywood manufactured to meet the requirements of US Product Standard PS 1-83 for construction and industrial plywood, and British Standard BS 5268 Part 2

CP: GB - United Kingdom

PT 850 Commercially-published-monograph

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps87164203 (GBPSA)

AN: 1987(04):1100295

Rating (**)

TI: Getting construction options into perspective; differences in floor construction

AU: Andrews, -John

SO: Building-trades-journal

PN: v.187, no. 5557, p.24-25

PY: 1984

DD 31 May 1984

LA en-English

DE construction-type; construction-component; floor-construction; masonry-construction; timber-frame-construction

AB Looks at floor construction in masonry and timber frame construction.

CP GB - United-Kingdom

PT 120 Periodical-

AV GBBL British Library, Boston Spa, Great Britain

RI PICA ps840798 (GBPSA)

AN 1986(08):1126479

Rating (**)

TI: Chipboard in construction

SO Construction (PSA)

PN no. 45 p. 45-46

PY 1983

LA en-English

DE building-design; construction-material-and-semifinished-products; construction-type; chipboard-; planning-criteria; operational-criterion; timber-frame-construction; roof-structure; floor-structure; floor construction;

AB Highlights factors to consider in the design and construction of floors, timber framed housing and roofs using chipboard.

CP GB - United-Kingdom

PT 120 Periodical-

AV GBBL British Library, Boston Spa, Great Britain

RI PICA ps840498 (GBPSA)

AN 1986(08):1126288

Rating (**)

TI: Finite-strip free-vibration analysis of wood floors

AU: Filiatrault, A; Folz, B; Foschi, R,O

SO: Journal of Structural Engineering

PN: v. 116, no. 8, p. 2127-2142

PY: 1990

PH: figs, tabs, refs.

IS: ISSN:0733-9445

LA: en-English

LS: en-English

DE: timber-construction; calculation-; ceiling-; timber-floor; plate-; ribbed-slab-floor; anisotropy-; deflection-; vibration-; comparative-calculation; lightweight-construction; natural frequency

AB: A complete design methodology for lightweight wooden floors must address the problem of annoying vibrations caused by occupant-induced footfalls. Recent proposed design methods against uncomfortable floor vibrations require knowledge of the dynamic characteristics of the floor structure. Generally, these approaches require that the fundamental frequency of the floor be located outside a "human-sensitive" frequency band. A means of accurately determining the fundamental frequency of lightweight wooden floors is thus required. This paper presents a finite strip solution procedure adaptable to microcomputers for the free vibration analysis of wooden floors. The numerical model takes into account the various complexities in lightweight wooden-floor construction: orthotropic sheathing; variability in joist-to-joist stiffness; and semirigid sheathing-to-joist connection. A comparison against existing experimental results confirms the adequacy of this model. Using this numerical model as an analysis tool, the effects of changes in various floor parameters on the natural frequencies of wood floors is also investigated (-z-)

CP: US-United-States

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 281ST

RI: RSWB 1991(04):9330161 (DEIRB)

AN: 1991 (09):1000495

Rating (*)

TI: Suspended timber ground floors

AU: Wainwright, -R.-B.; Pitts, -G.-C.

CA: Timber Research and Development Association (Originator)

SO: Building-technical file

PN: no. 23, p. 33-38

PY: 1988

LA: en-English

DE: floor-; floor construction; timber-floor; building-standard; construction-standard; ground-floor; suspended-floor

AB: The advantage of suspended timber ground floors are described. Recommendations are given on how they should be constructed to meet standards laid down in England, Northern Ireland, Scotland and Wales, together with additional recommendations from the Timber Research and Development Association

CP: GB - United-Kingdom

PT: 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps881525 (GBPSA)

AN: 1989(03):1100554

Rating (*)

TI: Gesundes Bauen und Wohen. Tecknik und Kosten alternativer Konstruktionen im Wohnungsbau. (Healthy construction and living. Methods and costs of alternative structures in housing).

CA: Institut fuer Bauforschunge.V. -IfB - Hannover, An der Markuskirche 1, D-3000 Hannover 1, Germany, -Federal-Republic-of (Performer of research)

* Niedersachsen, Sozialminister Hannover, Hinrich-Wilhelm-Kopf-Platz 2, D-3000 Hannover 1, Tel.: (0511) 1201, Germany, -Federal-Republic-of (Funder-Sponsor)

DE: building-biology; construction-material; ecological-construction; structural-design; construction-method; environmental-loading; construction-component; insulating-material; economy-; recycling-; single-family-house; multiple-dwelling; noxious-to-health; system; planting-

AB: In the framework of the research project, the concept of alternative structure is connected with construction materials and structural designs which are unusual or scarcely usual in the construction of residential buildings at present and which are expected to reduce the health risks and the environmental pollution and to be more careful in the use of natural materials. The investigation will presumably include the following subsectors: - wall construction types (eg unburnt bricks), floor construction types (eg timber beam floors with pug), roof structures (eg grass roofs), thermal insulation systems (eg straw, cork, sea-weed). The alternative solutions worked out are related to conventional methods and materials with special consideration to technical equivalence. The differences and corresponding factors in the technical structure, practical application and the cost effectiveness thereof - as far as costs of alternative construction materials are available - are to be pointed out. The investigation is rounded off by the attempt to an evaluation in the form of - an improvement of healthy construction and housing - economically reasonable behaviour. Besides natural construction materials, the product group is also dealt with which is characterised by the fact that so-called secondary raw materials (industrial by-products or recycling products) are used. It is to be pointed out which alternative construction materials are available today, which structures are possible with the aid thereof and which areas of application result.

CN: Jul. 1986 to 1988

BP: 19860700

EP: 19880000

PT: 861 Description-of-project

RI: BAUFO 1988(00):8001241 (DEIRB)

AN 1989(12):1001254

Rating (*)

TI: **Navrhovani a provadeni rekonstrukci stropnich konstrukci. (Floor constructions designing and execution).**

AU Kos, -Josef

AD VUT, Brno, Czechoslovakia

AL Author1: Address1

CA Ustav stavebnich informaci, Na Berance 2, Pracha 6, Czechoslovakia

SO Projektovani-a-vystavba

PN v.1, no. 1, p. 12-25

PB Praha: Ustav stavebnich informaci

PY 1991

DD Jan. 1991

PH 8 Figs, 12 refs

LA cs-Czech

DE reconstruction-; ceiling-; timber-construction; joist-; static-loading; load-bearing-structure-; steel-construction; reinforced-concrete-construction; reinforcement-; stiffening-; anchoring-; joist-ceiling

AB The methodics of the building research, timber joist ceilings designing and execution. The increase of static load-bearing capacity; the change of the whole floor construction including foundations reconstruction. Floor constructions in the frame of loft buildings in and superstructures. Concrete examples including complete structural details with the utilisation of steel girders or r.c structures, light and heavy ceilings

CP CS-Czechoslovakia

PT 120 Periodicals

AV CSUSI Building Information Institute, Prague, Czechoslovakia

RI USI 11005 (CSUSI)

AN 1992(08):1700103

Rating (*)

TI: A guide to access flooring grades and standards

SO: Construction (PSA)

PN: p. 13-14

PY: 1990

LA: en-English

DE: floor-; floor-construction; floor-structure; flooring-work; platform-floor; raised-access-floor; raised-floor

CP: GB- United Kingdom

PT: 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA psa2095374 (GBPSA)

AN: 1991(10):110641

Rating (*)

TI: Staying dry and warm

AU: Wainwright, -R.-B.; Pitts, -G.-C.

CA: National House-Building Council (Originator)

SO: Building (London)

PN: p.28-30 (Flooring Supplement)

PY: 988

DD: Jun. 1988

IS: ISSN: 0007-3318

LA: en-English

DE: floor-; flooring-; floor-area; floor-construction; timber-; timber-floor; timber-beam-floor; insulation-value; insulation-; ventilation-; building-services; suspended floor

AB: States that modern suspended timber ground floors provide improved performance, high insulation levels and increased comfort to occupiers. They are easy to construct, they provide space for services and are durable for

ventilation and preservation Insulation installation is easy and the NHBC claims that they are structurally preferable to ground bearing slabs on deep fill.

CP: GB - United-Kingdom

PT: 120 Periodical

AV: GBBL British Library, Boston Spa, Great Britain

DEIRB informationszentrum Raum und Bau, Stuttgart, Germany: A1466

RI: PICA ps880979 (GBPSA)

AN: 1988(11):1100260

Rating (*)

TI: Platform floors - a PSA study

AU: Jeavons, -A. -John

SO: Construction (PSA)

PN: no. 30, p. 7-8

DE: building-design; construction-component; floor construction; industrial-floor; spring-flooring; suspended-truss; selection-criterion; investigation-

AB: Considers factors to be taken into account when selecting a platform floor. These floors enable concealed services to be provided to workplace and machinery, giving maximum flexibility for positioning and minimum disturbance if the layout is modified.

CP: GB- United-Kingdom

PT: 120 Periodical-

AV: GBBL, British Library, Boston Spa, Great Britain

RI: PICA ps9902891 (GBPSA)

AN: 1986(08):1128285

Rating (*)

TI: Timber floors are easier to build.

SO: Building-trade-journal

PN: v.197, no. 5792, p.31-32

PY: 1989

DD: Feb. 1989

LA: en-English

DE: timber-; timber-floor; floor; floor construction; suspended-floor

AB: Looks at the advantages of suspended timber and the construction techniques involved

CP: GB - United-Kingdom

PT: 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps890252 (GBPSA)

AN: 1989(06):1100178

Rating (*)

TI: Wood truss roof

AU: DiPasquale, Raymond

SO: Progressive-architecture

PN: v.67, no. 10, 57-58, 63

PY: 1986

PH: figs

IS: ISSN: 0033-0752

LA: en-English

DE: timber-construction; production; timber-structure; nodal-point, bracing; wood-joint; cause-of-damage; damage-prevention; sizing; check-list.

AB: The wood truss is a building "workhorse". It is economical and efficient, easy to fabricate and erect, and allows clear spans with a minimum of material and weight. Although generally used for framing roof systems, it also has been

used in long-span floor construction. Failures are often reported in the Northeast during the winter months when heavy, wet snow loads push roof system beyond their ultimate capacity. In addition to overload, there are other factors that can precipitate a failure in a wood truss system. The case study below illustrates some of these factors, (-z-)

CP: US-United-States

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart Germany: Z 1502

RI: RSWB 1987(03)·9357389 (DEIRB)

AN: 1987(03):1004050

Rating (*)

TI: Code of practice for flooring of timber, timber products and wood based panel products

CA: British Standard Institution (Originator)

PB: London: British Standards Institution

PY: 1987

PH: 44p., ill

SE: British Standard (British Standards Institution); no. 8201:1987

IS: 0580142361

LA: en-English

DE: timber-floor; timber-flooring; flooring-; floor-construction; floor-element; standard-; B.S; British-Standards-Institution; B.S.I

AB: This has been prepared under the direction of the Timber Standards Committee. It is a revision of CP 201: part 1: 1967 (imperial) and CP.201: part 2: 1972 (metric) which it supersedes, and which are both withdrawn

CP: GB- United-Kingdom

PT: 850 Commercially-published-monograph; 150 Monographic-series

PI: GBP 36.00

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps87164829 (GBPSA)

AN: 1987(07):1100124

Rating (*)

TI: Getting construction options into perspective; the inevitability of timber frame

AU: Andrews, -John

SO Building-trades-journal

PN v.188, no.5589, p14-15

PY 1984

DD: 23 Aug. 1984

LA: en-English

DE construction-type; residential-building; timber-construction; floor construction; roof-structure; foundation; wall

AB: Highlights some of features of traditional and timber frame construction that are not generally appreciated. Covers foundations, floor construction; walls; roof construction; masonry - ground floor construction, and timber frame - first floor construction

CP GB - United-Kingdom

PT 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps841097 (GBPSA)

AN: 1986(08):1126697

Rating (*)

TI: Timber frames; a Building Trades Journal Supplement

SO: Building-trades-journal

PN: v. 188 no. 5562, p.25-26, 28, 30, 36, 41-44

PY: 1984

DD: 05 Jul. 1984

LA: en-English

DE construction-type: timber-construction

AB: Reports on the successfully use of timber in private house construction; considers the potential of whitewood; looks at the cavity barriers; discusses the suitability of solid fuel for heating timber frame houses; compares tradition and timber frame separating wall and floor construction; discusses the new BS 5268: Part 2 on structural timber, due for publication in August 1984

CP: GB - United-Kingdom

PT: 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps840915 (GBPSA)

AN: 1986(08):1126566

Sub Floor:

Rating (**)

TI: **Bausystem mit neuentwickelten Massivholzplatten. Wertschoepfung aus ueberschuessignen Holzsortimenten. (Construction system incorporating newly developed solid wood boards. Value-added content from surplus timber products)**

SO: Schweizer-Holzbau

PNL: v.59, no.12, p.22-24

PY: 1993

PH: figs, tabs.

LA: de-German

LS: de-German

DE: timber-construction; timber-building; construction-system; plate-; innovation-; application-; wall-element; ceiling-component; modulus-of-elasticity; strength-; being-stress; compressive-stress; buckling-load (bar); swelling-size; system-; panel-; gluing-; stress (admissible); Switzerland-

AB: As is well known substantial cubages of sideboards arise during the production of lumber. In sawmills, this is known as the 'surplus range". In its quest for an optimum use for such sideboards, Plus Schuler AG, Rothenthurm, in conjunction with the wood engineering faculty of the Swiss School of Engineers and Technicians for the Timber Industry in Biel, launched a project supported by the Commission for the Promotion of Scientific Research (KWF) entitled 'Development of wall and floor elements from Swiss timber surplus ranges". After about one and a half years of research and development, single - and three-ply solid wood boards have now been put to use for the first time in combination with a new timber construction system.

CP: CH-Switzerland

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1494

RI: RSWB 1994(01):9000834 (DEIRB)

AN: 1994(09):1000069

Rating (**)

TI: Bodenkonstruktionen mit Holzfaserplatten. Steigerung des Wohnkomforts. (Floor designs based on wooden fibreboard for added housing comfort)

AU: Steiger, -Urs

SO: Schweizer-Holzbau

PN: v.57, no.9, p34-35

PY: 1991

PH: figs

LA: de-German

LS: de-German

DE: construction-component; floor-; sub-floor; wood-fibre-board; structural-design; floor-construction; thermal-insulation; sound-insulation; processing

CP: CH-Switzerland

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1494

RI: RSWB 1991(05):9004836 (DEIRB)

AN: 1992(04):1001066

Rating (*)

TI: Restorer's Notebook

AU: Brown, Elizabeth-Ann; Cimarosti, Joseph; Smith, Barbara-A

SO: Old-House-Journal

PN: p.22

PB: Brooklyn, NY, 11215, US: Old-House Journal Corp.

PY: 1991

DD: Sep. 1991 (Sept 91)

IS ISSN:0094-0178

LA en-English

DE restoration-; toilet-, plywood-; sub-floor; odour-nuisance; woodwork-; carpentry-; subflooring-; odour-; architectural-woodwork

AB Makeshift repair of rubber plumbing components with vaseline; removing dust from drilled holes; removing plywood underlayment to expose original pine flooring; removing odours from subflooring; cleaning woodwork.

CP US - United-States

PT 100 Textual-; 120 Periodical

AV USAIA American Institute of Architects Library, Washington D.C., USA: 44310

RI ARCHITEXT 1992:44310 (USARCHITEXT)

AN 1992(03):1500971

Rating (*)

TI: Holzbauteile in Nassbereichen. (Wood components in wet areas)

AU Schulze, -H. (Reviser)

CA Arbeitsgemeinschaft Holz e.V, Duesseldorf (Editor)

* Centrale Marketinggesellschaft der Deutschen Agrarwirtschaft mbH -CMA-, Bonn (Editor)

* Bund Deutscher Zimmermeister -BDZ-, Bonn (Editor)

* Deutsche Gesellschaft fuer Holzforschung e.V -DGfH-Entwicklungsgemeinschaft Holzbau -EGH-, Muenchen (Editor)

PB Duesseldorf: in-house publishing

PY 1987

PH 12p. figs, tabs, refs

SE Informationsdienst Holz

LA de-German

DE construction-component; wall; wet-room; humid-room; bath; shower; floor; sub-floor; construction-material; wood; wood-based-materials; chipboard; gypsum-plasterboard; covering; tile; ceramics; tile-pavement; lining; board; structural-design; corner; connection; permeation; accessory; damage-

prevention; humidity-protection; investigation; timber-component; chipboard; wall-lining

AB This contribution deals with a problematic area in building construction - the private wet area shown with the example of showers and bathroom floors with the use of timber, timber materials and gypsum plasterboards. In this case, not the generally approved constructions (eg chipboards with elastic surface materials like textile coatings or plastic covers) but mainly the critical constructions using ceramic tile pavements are dealt with. Damages occurred again and again, because the specified characteristics of the used material under moisture stress were not sufficiently known or not carefully observed. In addition to this, the present structural regulations are not very helpful in this connection - the DIN 18195 part 5 (structure waterproofing) is not applicable to such timber construction components, the DIN 68800 part 2 (structural wood preservation) does not contain any structural data. Therefore this contribution is to close the gap in this selected, special field of general design details, as such belonging into an instruction manual eg, could not be included for reasons of space

CP DE-Germany, Federal-Republic-of

PT 851 Monograph, -not-commercially-available; 145 Irregular-serial

AV DEIRB Informationszventrum Raum und Bau, Stuttgart, Germany:S 4500

RI RSWB 1988(01) 9021579 (DEIRB)

AN 1992(09):1000068

Rating (*)

TI: Kurze Bauzeit und besserer Schallschutz. Althaus-Modernisierung mit Trockenunterboeden. (Short construction time and better should insulation. Modernisation of an old house with dry subfloors).

AUL Kohlmann, -Armin

SO Bauen-mit-Holz

PN v.92, no. 2, p. 109-110

PY 1990

PH figs, tabs.

IS ISSN : 0005-6545

LA de-German

DE construction-component; floor; building-maintenance; modernisation-of-old-buildings; screed-; dry-screed; sub-floor; sound-insulation; sound-insulation-value; timber-beam-floor; modernisation-

CP DE-Germany, Federal-Republic-of

PT 120 Periodical-

AV DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 268

RI RSWB 1990(01):9002353 (DEIRB)

AN 1990(08):1000443

Rating (*)

TI: Holz-Fussboeden lt. OeNorm. (Timber floorings according to the Austrian standard).

CA Bundesholzwirtschaftsrat, Wien (Editor)

* Fachverband der Holzerarbeitenden Industrie Oesterreichs, Wien (Editor)

PB Wien, in-house publishing

PY 1977

PH approx. 40p

LA de-German

DE construction-component; floor-; timber-flooring; wood-species; structural-design; sub-construction; sub-floor; tendering-

PT 851 Monograph, not-commercially-available

AV ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HII 3116

RI RSWB 1983(03):9800410 (DEIRB)

AN 1987(04):1001069

Rating (*)

TI: Die Verwendung von Spanplatten bei Unterboeden. (The use of chipboards in sub-floors)

SO: Fussboden- Zeitung (1975)

PN: v.14, no. 6, p.34-35

PY: 1966

IS: ISSN:0342-6181

LA: de-German

DE: Construction-component; floor-; timber-flooring; sub-floor; chipboard-; moisture-

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 316

RI: RSWB 1970 (00): 9002689 (DEIRB)

AN: 1987 (01):1001737

Rating (*)

TI: Der fugendichte Holzfussboden. (The wooden floor with sealed joints).

AU: Hempel, -G.

SO: Bauen-mit-Holz

PN: v.66, no. 9, p. 400-402

PY: 1964

IS: ISSN: 0005-6545

LA: de-German

DE: Construction-component; floor-; timber-flooring; sub-floor; wood-wool-panel; ceiling-; reinforced-concrete, protection-against-sound; test-

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 268

RI: RSWB 1982 (04): 9800417 (DEIRB)

AN: 1986 (08):1024694

Rating (*)

TI: **Holzwerkstoffe fuer alle, die as gern selber machen. (Timber materials for all those who like to do it by themselves)**

AU: Ruske, -Wolfgang

SO: Althaus - Modernisierung

PN: v.6, no. 24, p.58, 60, 62-63

PY: 1978

PH: figs, tabs.

IS: ISSN: 0343-1762

LA: de-German

DE: construction-materials; wood-based-materials; building-maintenance; modernisation-; partition-; sub-floor; structural-design; chipboard-; DIN-standard; repair-; wood-, modernisation-

CP: DE-Germany, Federal Republic of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 831

RI: RSWB 1978(04):9010135 (DEIRB)

AN: 1986(07):1014850

Footing Systems:

Rating (***)

TI: Ujdonsagok az epuletalapozas teruleten. (Novelties in the field of building foundations)

AU: Zorkoczy, -Zoltanne

SO: Muszaki-Tervezes

PN: v.36, no.9-10, p. 39-42

PY: 1976

DD: 24 Nov. 1976

PH: figs.

IS: ISSN: 0441-4535

LA: hu-Hungarian

DE: foundation-method; foundation-slab; foundation-element; screw-; pile-; pile-foundation; micro-pile; plug-foundation; hollow-foundation; Hungry-

AB: Novel kind of foundation technologies for residential and commercial buildings are introduced. The technologies were developed by Hungarian building enterprises and research institutes. The following methods are discussed "plug foundation", "hollow foundation", prefabricated foundations, slab foundation on the surface, pile screwing prefabricated micro piles. Principle of the technologies is illustrated.

CP: HU-Hungry

PT: 100 Textual; 120 Periodical-

AV: HUETK Hungarian Information Centre of Building, Budapest, Hungary

RI: ETK 88/00067 (HUETK)

AN: 1989 (01):1700036

Rating (***)

TI: Ujszeru alapozasi alrendszerek artakelese. (The evaluation of new type foundation subsystems)

AU: B Rekasy, -Reka

SO EGSZI - Gyorsjalentes

PN v.22, no.7. p. 1-5

PY 1988

DD Mar. 1988

PH figs.

IS ISSN: 0230-175X

LA hu-Hungarian

DE evaluation-; estimation-; foundation-; foundation-engineering; foundation-method; residential-building; system-analysis; system-; Hungary-

CP HU-Hungary

PT 100 Textual-; 120 Periodical-

AV HUETK Hungarian Information Centre of Building, Budapest, Hungry

RI ETK 89/00198 (HUETK)

AN 1990(02):1700040

Rating (***)

TI: Concrete trench fill for house foundation; a reassessment of the cost effectiveness

PB London: Cement and Concrete Association

PH: 8p, iLL

SE: Cement and Concrete Association reprint

DE civil-engineering, structural-engineering; civil-engineering-substructures; earthworks; foundations-; tunnelling-; geotechnics-; foundations-; foundation-work-in-excavations; building-materials-and-components; artificial-stone, concrete-, various-agglomerates; (cement)-concrete, reinforced-concrete-and-asbestos-cement-products; construction-industry; building-practice-and-

procedure; economic-and-commercial-aspects; construction-costs; (ST-, CT-, terms-derived-from-UDC-codes)

AB: Describes the method of building house foundations by filling the trenches with load bearing concrete and how a new study shows that savings on foundation costs can be up to 36%

NT: Bound with "Guidelines for trench fill foundations" by George Barnbrook. Reprinted from "Surveyor" of 16 and 23 July 1976

AV: GBBL British Library, Boston Spa, Great Britain

PT: 850 Commercially-published-monograph; 150 Monographic series

RI: PICA ps7711849 (GBPSA)

AN: 1987(12):1103857

Rating (**)

TI: New System Casts Footings After Erecting Wall Panels

AU: Wallace, -Mark

SO: Concrete Construction

PN: p.319

PB: Addison, IL 60101, US: The Aberdeen Group

PY: 1988

DD: Mar. 1988

IS: ISSN: 1051-5526

LA: en-English

DE: precast concrete component; spread foundation; structural precast concrete; footing; retaining wall; sound barrier

AB: Review of technique for installing precast panel in trench, then filling with concrete to create a footing. Technique has only been used for noise barriers and retaining wells so far.

CP: US United States

PT: 100 Textual-; 120 Periodical-

AV: USAIA American Institute of Architects Library, Washington DC, USA: 8284

RI ARCHITEXT 1988:8284 (USARCHITEXT)

AN: 1988(01):1501124

Rating (**)

TI: Bricks and brickwork. No.7. The brick beam fence

AU: Scully, -Mike

SO: Housing-Australia

PN: v.4, no.3, p62-65

PY: 1987

AB The brick beam fence is a concept developed by the Brick Development Research Institute Regional Engineer in South Australia, Mr Roger Taggart. The basis is the use of reinforced single leaf brick panels spanning between piers which have relatively deep pile footings. Steel reinforcement in the bed joints of the panels enables them to support their own weight and span up to 3.2 metres for a wall height of 2.4 metres without the need for a strip footing. The paper gives design data for walls of various height and pier type and spacing and for different wind velocities. Materials requirements and details of construction methods are discussed. Costs are estimated as providing reductions of 60 per cent in comparison to conventional brick fences.

AN: 1988(04):1500043

Rating (*)

TI: Guidelines for trench fill foundations

CA: Cement and Concrete Association (Originator)

PB: London: Cement and Concrete Association

PH: 8p, iLL

DE: civil-engineering; structural-engineering; civil-engineering-substructures, earthworks-; foundations-; tunnelling-; geotechnics-; foundations-; foundation-work-in-excavations, building-materials-and-components; artificial-stone,

concrete-and-asbestos-cement-products; construction-industry: building-practice-and-procedure; economic-and-commercial-aspects, construction-costs (ST-, CT-. term-derived-from-UDC-codes)

AB: Outlines the methods and advantages of trench fill foundations

NT: Bound with "Concrete trench fill for house foundations" by George F A Orchard and Peter H Hill. Reprinted from "Surveyor" of 16 and 23 July 1976

PT 850 Commercially published monograph

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps7711848 (GBPSA)

AN: 1987(12):1103856

Rating (*)

TI: Timber piling and its application

In: Conference proceedings for ABIC '92, the International Building Conference, "Efficient & effective construction in the '90s"

AU: Brandon, -P. -M ; Queensland-Master-Builders-Association

PN p. 135-142

PB: Brisbane, QLD.: Queensland Master Builders Association.

PY: 1992

DE: pile-; pile-driving; timber-; timber flooring

AB: When pile driving is mentioned to builders most people conjure up visions of large and expensive machines, lumbering across construction sites, driving reinforced concrete piles, with significant ground vibrations and even more significant cost blowouts. This paper is not about cost of blow-outs, concrete piles or significant ground vibrations. It's about cost efficient piling using timber products which are proven and reliable.

AN: 1994 (12): 1500029

Floor Elements:

Rating (***)

TI: La construction mixte bois-beton. (Composite construction in timber and concrete).

AU: Petriccioli, -Francois

SO: Chantiers-Revue-du-batiment-du-genie-civil-et-de-la-securite

PN: v.17, no. 6, p591-595

PY: 1986

PH: figs, tabs, refs

LA: fr-French

LS: de-German, en-English, fr-French

DE: construction-component; ceiling-; connection, timber-floor; composite-structure; composite-action; test-procedure; connection-means; gluing; test-result; Switzerland-

AB: This article discusses the possibility of combining concrete and timber into single structural floor elements. Part I reviews the advantages and disadvantages of these elements. Their application in new as well as already existing dwellings is attractive because of their high stiffness as compared with ordinary wooden floors. Two major problems must however be solved, viz. The protection of the concrete from chemical attack by woodsugars, and the safe connection of both materials. The results of experiments conducted on several types of connection are discussed. The superiority of a 'hybrid" connection (concrete glued on wood with an epoxy resin plus mechanical dowels to improve post-failure behaviour) is demonstrated. Part II discussed the results of experiments conducted on floor elements scale 1:1 at the Swiss Federal Institute of Technology, gives several practical examples of applications, and discusses possible future developments. (-z-)

CP: CH-Switzerland

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1158

RI: RSWB 1987(02):9356670 (DEIRB)

AN: 1987(03):1003559

Rating (*)

TI: **Effective use of small logs and their products for house construction. (Nutzung von Rundholz geringer Abmessung und der daraus gewonnenen Produkte fuer den Wohnengsbau).**

In: Building research world wide. Vol. 1b.

AU: Iizuke, -Gorozo

CA: Norwegian Building Research Institute, Oslo (Editor)

PN: p. 439-443

PB: Oslo: in-house publishing

PY: 1980

PH: figs, refs.

LA: en-English

DE: construction-material; wood-; structural-design; construction-component; wall-; roof-; column-; girder-; timber-construction; developing-country; Japan-

AB: By means of an example of the effective use of round timbers, glued trusses made of small part woods as well as the use of wall-floor-roof components is shown. Especially prefabricated constructions are used.

PT: 850 Commercially-published-monograph

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: 4Build

RI: RSWB 1981(10):9999907 (DEIRB)

AN: 1990(03):1000687

Timber & Wooden Flooring:

Rating (***)

TI: La construction mixte bois-beton. (Composite construction in timber and concrete)

AU: Petricciolio, -Francois

SO: Chantiers-Revue-du-batiment-du-genie-civil-et-de-la-securite

PN: v 17, no. 6, p591-595

PY: 1986

PH: figs, tabs, sect

LA: fr-French

LS: de-German; en-English; fr-French

DE: construction-component; ceiling-; connection-; timber-floor; composite-structure; composite-action; test-procedure; connection-means; gluing-; test-results; Switzerland-

AB: This article discusses the possibility of combining concrete and timber into single structural floor elements. Part I reviews the advantages and disadvantages of these elements. Their application in new as well as already existing dwellings is attractive because of their high stiffness as compared with ordinary wooden floors. Two major problems must however be solved viz. The protection of the concrete from chemical attack by woodsugars, and the safe connection of both materials. The results of experiments conducted on several types of connection are discussed. The superiority of a "hybrid" connection (concrete glued on wood with an epoxy resin plus mechanical dowels to improve post failure behaviour) is demonstrated. Part II discusses the results of experiments conducted on floor elements scale 1:1 at the Swiss Federal Institute of Technology, gives several practical examples of applications, and discusses possible future developments. (-z-)

CP: CH-Switzerland

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1158

RI: RSWB 1987(02):9356670 (DEIRB)

AN: 1987(03):1003559

Rating (***)

TI: Der Fussboden. (The floor).

AU: Engelhard, -Dietrich

SO: Gesuender-Wohnen

PN: no. 19, p.4-10

PB: Brisbane, QLD.: Queensland Master Builders Association.

PY: 1992

DE: construction-component; floor-; floor-construction; flooring-; sub-floor; material-choice; humidity-protection; gypsum-plasterboard; timber-flooring; massive-slab; chipboard-; protection-against-sound; thermal-insulation; floor-structure; floor-covering; carpeted-floor; chipboard-

AB: Page 3

AN: 1993 (06): 1000551

Rating (***)

TI: Les dernier progress techniques de l'ossature bois dans l'hotellerie. (The last technical improvements of wood frame construction in the hotel trade).

AU: Clarence, -P

SO: Cahiers-technique-du-batiment

PN: no. 92, p59-62

PT: 1987

IS: ISSN:0241-6794

LA: fr-French

DE: hotel-; sound-insulation, thermal-insulation; timber-flooring; floor-; Wood-construction; Panel-; Panel-wall; Frame-construction-

CP: FR-France

PT: 120 Periodical

AV: FRFNB Federation Nationale due Batiment de la Recherche, Saint-Remy-les-Chevreuses, France

FRCNRS Centre National de la Recherche Scientifique, Paris, France: 16193

RI: Pascal 88-0205719 (FRFNB)

AN: 1988 (08): 1300122

CO: CTBADT

Rating (***)

TI: Dossier tertiare: bureaux; vers des planchers intelligents? (Tertiary sector documents: intelligent floors?).

SO: Cahiers-techniques-du-batiment

PN: no. 97 p75-83

PY: 1988

IS: ISSN: 0241-6794

LA: fr-French

DE: composite-floor, timber-flooring; office-building; office; Service-integrated-floor, Metal-pan-floor, Coffered-slab-floor; Slabs; Home-automation

CP: FR-France

PT: 120 Periodical-

AV: FRFNB Federal Nationale de Batiment de la Recherche, Saint-Remy-les-Chevreuses, France FRCNRS Centre Nationale de la Recherche Scientifique, Paris, France: 16193

RI: PASCAL 88-0336274 (FRFNB)

AN: 1989 (02): 1300012

CO: CTBADT

Rating (**)

TI: Design criteria for timber floors in domestic construction.

In: Conference proceedings for ABIC '92 the International Building Conference, "Efficient & Effective Construction in the '90s"

AU: McDowall, -C.-G.; Lyngcoln, -K.F-.; MacGregor, -J.-D.; Queensland-Master-Builders-Association

PN: p.123-134

PB: Brisbane, QLD: Queensland Master Builders Association.

PY: 1992

AN: 1994(12):1500028

Rating (**)

TI: Suspended timber ground floors-the alternative to concrete.

AU: Pask, Nick

SO: Timber-trade-journals

PN: v.343 No. 5763, p.19-20

PY: 1987

DD: Jun. 1987

LA: en-English

DE: floor; flooring; floor-element; timber-flooring; timber; timber-construction; timber-floor, suspended-floor; ground-floor

AB: Discusses the future potential of suspended timber ground flooring. The system has been widely accepted in the North of England and Scotland, and ways of encouraging its use in the South need to be found:

CP: GB:-United Kingdom

PT: 120 Periodicals

AV: GBBI British Library, Boston Spa, Great Britain.

RI: PICA ps870740 (GBPSA)

AN: 1987(10):1100176

Rating (**)

TI: Timber prepares for heyday

AU: Fraser, -H

SO: National-builder

PN: p.24-25

PY: 1989

IS: ISSN: 0027-8807

LA: en-English

DE: floor-; floor-structure; floor-system; flooring-; timber-; timber-beam-floor; timber-floor; timber-flooring; suspended-floor

AB: Analyses the resurgence of the popularity of timber suspended floors and outlines the construction techniques involved.

CP: GB-United-Kingdom

PT: 120 Periodical

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps890243 (GBPSA)

AN: 1989 (06):1100169

Rating (**)

TI: Forschungs-und Entwicklungsarbeiten im Holzbau. (Research and development work in timber construction).

AU: Tebbe, -Joachim

SO: Bauen-mit-Holz

PN: v.84, no. 8, p.521-525

PY: 1982

IS: ISSN: 0005-6545

LA: de-German

DE: building-research; discipline-; timber-construction; action-report; research-project; building-physics; fire-protection; timber-column; window-construction; wood-preservation; wood-based-materials; cold-bridge; framework-; timber-flooring; development-; fire-resistance; Deutsche-Gesellschaft -fuer-Holzforschung-e. V. -Dgfh, - Muenchen

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 268

RI: RSWB 1982(11):9070105 (DEIRB)

AN: 1987(06):1000872

Rating (**)

TI: Holz-Fussboeden lt. OeNorm. (Timber floorings according to the Austrian standard).

CA: Bundesholzwirtschaftsrat, Wien (Editor)

* Fachverband der Holzverarbeitenden Industrie Oesterreichs, Wien (Editor)

PB: Wien: in-house publishing

PY: 1977

PH: approx. 40p

LA: de-German

DE: construction-component; floor-; timber-flooring; wood-species; structural-design; sub-construction; sub-floor; tendering-

PT 851 Monograph, not-commercially-available

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HII 3116

RI: RSWB 1983(03):9800410 (DEIRB)

AN: 1987(04):1001069

Rating (**)

TI: Timber floors in dwellings

AU: Ollis, John

SO: Building-specification

PN: v9, no.9, p61-62

PY: 1978

DD: Sep. 1978

LA: en-English

DE: construction-component; timber-flooring;

AB: Presents a summary of an intermediate floor costing study, and considers some of the arguments in the concrete versus timber debate

CP: GB- United-Kingdom

PT: 120 Periodical-

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps781927x (GBPSA)

AN: 1986(08):1118382

Rating (*)

TI: A feasibility study on platform floors.

AU: Jeavons, -A.-J

PB: London: Property Services Agency.

PY: 1979

PH: 44p

SE: PSA/DAS/par no. 3309

LA: en-English

DE: structural-parts-and-elements-of-buildings; floors-; floorings-; ceilings-for-structural details; suspended-and-elevated-floors; subfloors-and-decking-floating-floors; timber-floors (solid timber, wooden-joists) (ST-, CT-. terms-derived-from-UDC-codes)

CP: GB - United Kingdom

PT: 850 Commercially-published-monograph; 150 Monographic-series

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps80147241 (GBPSA)

AN: 1987(12):1108238

Rating (*)

TI: Holzfussboeden (Wooden floors)

AU: Ruske, Wolfgang

SO: Bauhandwerk (Guetersloh)

PN: no. 4, p189-194

PY: 1990

PH: figs, refs, sect, det.

IS: ISSN: 0173-5365

LA: de-German

DE: construction-component; floor-; floor-work; timber-; flooring-; wooden-pavement-blocks; renovation-of-old-buildings; subsoil-; laying-pattern

CP: DE-Germany,-Federal-Republic-of

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1398

RI: RSWB 1990(05):9001352 (DEIRB)

AN: 1991(01):1000718

Rating (*)

TI: Decken und Fussboeden. Aus Bauforschung unde Baupraxis - Baukonstruktive Baispiele. (Ceilings and floors. From building research and building practice - examples of structural design).

AU: Henke, -Gregor

SO: Bauhandwerk (Guetersloh)

PN: v.9. no. 10, p.469-474, 479-480

PY: 1987

PH: fits, tabs, refs.

IS: ISSN: 0173-5365

LA: de-German

DE: construction-component; ceiling-; timber-construction; beam-; timber-beam-floor; floor; structural-design; bearing-capacity; thermal-insulation; protection-against-sound; fire-protection; execution-planning; detailing-

AB: Wooden floors consist of the structural system of binders and joists, a floor, a false ceiling and perhaps of a counter ceiling. This tripartition is the same for floors of different materials, supporting structure, counter ceiling, floor structure. These structural units are confronted with construction-physical conditions in dependence of the respective utilisation requirements. These conditions have to be fulfilled by way of correct combination of materials.

CP: DE-Germany,-Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1398

RI: RSWB 1987(10):9001928 (DEIRB)

AN: 1988(04):1002233

Rating (*)

TI: Design of timber floors to prevent decay

CA: Building Research Establishment (Originator)

PB: Garston, Watford: Building Research Establishment

PY: 1975

PH: 4p, ill

SE: Building Research Establishment Digest 1962 no. 18

LA: en-English

DE: structural-parts-and-elements-of-buildings; floors; floorings; ceilings-for-structural-details; suspended-and-elevated-floors; subfloors-and-decking; floating-floors; timber floors (solid-timber, wooden-joists); (ST-, CT-, terms-derived-from-UDC-codes)

CP: GB-United-Kingdom

PT: 850 Commercially-published-monograph; 150 Monographic-series

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA 0117211494 (GBPSA)

AN: 1987(12):1114706

Rating (*)

TI: Suspended timber floors, notching and drilling of joists

CA: Building Research Establishment (Originator)

PB: Garston, Watford: Building Research Establishment

PY: 1984

PH: (1)p, ill

DE: Defect Action Sheet (Design) (Building Research Establishment); no. 47

LA: en-English

DE: structural-parts-and-elements-of-buildings; floors-; floorings-; ceilings-for-structural-details; suspended and elevated floors; subfloors and deckings; floating floors; timber-floors (solid timber, wooden-joists) (ST-, CT-. terms-derived-from-UDC-codes)

CP: GB-United-Kingdom

PT: 850 Commercially-published-monograph; 150 monographic-series.

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps84157236 (GBPSA)

AN: 1987(12):1111135

Rating (*)

TI: Ein Haus, vbon dem ganz Australian spricht. (A house is the talk of Australia).

AU: Rasch,-Horst

SO: Haeuser

PN: no. 5, p. 14-23, 88-89

PY: 1993

DE: architecture-; residential-building; single-family-house; loam-; regenerator-; tower-; supply-; energy-supply; solar-cell; water-reservoir; sprinkler-system; fire-protection; diaphragm-; glass-brick; glass-facade; roofing-; timber-flooring; ecological-construction, competition-result; building-tradition; roof-landscape; concrete-structure; Brown; -Robert (architect); Dawson, -Brown-and-Ackert*-Sydney (architect); Brigadoon-; Westaustralien-; Australia-

AB: The design of the award winning draft is based on Australian functionalism and represents a reinterpretation of the plain rural shed or the simple farmhouse. The otherwise typical closed design has been broken up and the house subdivided into several units. Overhanging roofs shade the glazed north and north-west faces. The air conditioning of the house is a key factor in its conception. The house is a zero energy house in the widest sense of the word. An earth wall comprising stamped clay serves as a heat accumulator. A galvanised steel tower is intended to make the house independent of the public utilities. The tower has several functional levels: Level 1 can accommodate batteries from a power supply as well as a small wind turbine. Levels 2 and 3 house the water tanks; they supply fresh water to the house and water for the sprinkler system. The house and its architecture are presented.

AN: 1994 (04): 1001124

Rating (*)

TI: **Fussbodenver legetechnik bei Sanierung und Neubau. Arbeit mit zeitgemaessen, umweltfreundlichen Produkten und Verlegasystamen. (Floor laying technique during repair work and construction of new buildings. Working with contemporary, environmentally friendly products and laying systems).**

AU: Schliffke, - Horst-Friedrich

SO: Bauzeitung

PY: 1992

PH: Figs, tabs

IS: ISSN: 0005-6871

LA: de-German

DE: flooring-work; building-maintenance; floor -; timber-flooring; VOB: (German-contracting-rules); subsoil-; protection-against-sound; screed-; modernization-; rehabilitation-; preliminary-treatment; Neue-Bundeslaender; Germany, Federal-Republic-of

CP: DD-Germany, Democratic-Republic

PT 120 Periodical

AV DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 381

RI: RSWB 1992 (04):9305380 (DEIRB)

AN: 1993 (02): 1000997

Rating (*)

TI: Sorgenkind Holzfussboden (Problems of timber floors)

SO: Bauzeitung

PN: v.45, no.2, p.111

PY: 1991

PH: figs

IS: ISSN: 0005-6871

LA: de-German

DE: construction-component; floor-; building-maintenance; repair-; timber-flooring; screeding-compound; subsoil-; floor-covering

CP: DE-Germany; -Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z381

RI: RSWB 1991 (04):9338839 (DEIRB)

AN: 1992 (04) 1000610

Rating (*)

TI: Temporary theatre for Bishin Jumonju

SO: The Japan Architect

PN: no. 2, p208-211

PY: 1991

PH: figs

IS: ISSN: 0448-8512

LA: en-English, ja-Japanese

DE architecture-, cultural-building, theatre-; interior-architecture; temple-; scaffold-construction; timber-flooring; timber-construction; glaze-; colour-scheme; Ando,-Tadao (architect); Tokyo; Japan

CP: JP-Japan

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany; Z 567

RI: RSWB 1991 (05):9003619 (DEIRB)

AN: 1991 (10): 1000345

Rating (*)

TI: OeNORM B 3000, Teil 1, 1 August 1990 - Holzfussboeden; Allgemeines = Wooden floorings; General requirements

CA Oesterreichisches Normungsinstitut -ON-, Fachnormenausschuss 118 Holzfussboeden, Wien (Editor)

PB: Wien: in-house publishing

PY: 1990

DD: Aug. 1990

PH: 4 p, refs

LA: de-German

DE: construction-standardization; foreign-country; construction-material; timber-; construction-component; floor-; timber-flooring; definition-; supply-; supply-condition, Austrian-standard; terminology-; definition-; Austria-

NT: Availability; Oesterreichisches Normungsinstitut, Heinestr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafenstr. 6, D-1000 Berlin 30

CP: AT-Austria

PT: 140 standard

AV: ATON Oesterreichisches Normungsinstitut, Wien Austria:

RI: RSWB 1991 (01):9001925 (DEIRB)

AN: 1991(04):1000552

Rating (*)

TI: **OeNORM B 3000, Teil 2, 1 August 1990 -Holzfussboeden; Stabparkett - = Wooden Flooring; Long parquet strips.**

CA: Oesterreichisches Normungsinstitut -ON-, Fachnormenausschuss 118 Holzfussboeden, Wien (Editor)

PB: Wien: in-house publishing

PY: 1990

DD: Aug. 1990

PH: 8 p, figs, tabs, refs

LA: de-German

DE: constructions-standardization; foreign-country; construction-material; timber-; construction-component; floor-; timber-flooring; parquet-; definition-; dimension-, quality-requirement; Austrian-standard; parquet-flooring; parquet-timber; characterisation-; classification-; Austria-

NT: Availability: Oesterreichisches Normanungsinstitut, Heinsestr. 38, A-1021; Wien 2; Beuth Verlag, Burggrafenstr. 6, D-1000 Berlin 30

CP: AT-Austria

PT: 140 Standard

AV: ATON Oesterreichisches Normungsinstitut, Wien, Austria

RI: RSWB 1991 (01) 9002016 (DEIRB)

AN: 1991 (04): 1000570

Rating (*)

TI: **OeNORM B3000, Teil 3, 1 August 1990 - Holzfussboeden; Parkettriemen = Wooden floorings; Parquet strips.**

CA: Oesterreichisches Normungsinstitut -ON-, Fachnormenausschuss 118 Holzfussboeden, Wien (Editor)

PB: Wien; in-house publishing

PY: 1990

DD: Aug. 1990

PH: 6 p, figs, tabs, refs.

LA: de-German

DE: constuction-standarization; foreign-country; construction-material; timber-; construction-component; floor-; timber-flooring; parquet-; definition; dimension; quality-requirement; Austrian-standard; parquet-flooring; parquet-timber; characterisation-; classification-; Austria-

NT: Availability. Oesterreichisches Normungsinstitut, Heinestr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafesstr. 6, D-1000 Berlin 30

CP: AT-Austria

PT: 140 Standard

AV: ATON Oesterreichisches Normungsinstitut, Wien Austria:

RI: RSWB 1991 (01). 9002015 (DEIRB)

AN: 1991 (04): 1000569

Rating (*)

TI: OeNORM B 3000, Teil 7, 1 December 1988 - Holzfussboenden; Schiffboeden = Wooden floorings; Tongued and grooved floorings.

CA: Oesterreichisches Normungsinstitut -ON- , Fachnormenausschus 118 Holzfussboeden, Wien (Editor)

PB: Wien; in-house publishing

PY: 1988

DD: Dec 1988

PH: 7 p, figs, tabs, refs.

LA: de-German

DE: construction-standardisation; foreign-country; construction-material; timber-; construction-component; floor-; timber-flooring; definition-; dimension-; dimensional-deviation; permissible-deviation (tolerance); dimensional-tolerance; quality-requirement; moisture-content-of-wood; moisture-; fir-wood; pine-wood; larch-wood; terminology; floor-covering; definition-; class-; Austria-

AB: Former version: 12.79. - The standard contains dimensions and regulations on production, sorting and supply of inlaid-strip flooring boards of the wood species spruce, fir, pine and larch. Inlaid-strip flooring (inlaid-strip flooring

boards) and tongued-and-grooved boards being planed throughout the top side and being at least slightly touched by the planing knife throughout the bottom. It is differentiated between the types standard and rustic. The standard does not apply to comb-grained and semicombed-grained inlaid-strip flooring boards. The laying of timber-flooring is treated in the work contract Austrian standard B2218.

NT Availability: Oesterreichisches Normungsinstitut, Heinestr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafenstr. 4-10, D-1000 Berlin 30

CP: AT-Austria

PT 140 Standard

AV: ATON Oesterreichisches Normungsinstitut, Wien Austria:

RI: RSWB 1989(01):9002988 (DEIRB)

AN: 1989 (05): 1000507

Rating (*)

TI: OeNORM B 2242, Tail 7, Entwurf 1, Jaenner 1992 - Herstellung von Fussbodenheizungen, Vartgragsbestimmungen fuer Holzfussboeden; Wervertragsnorm. = Installation of floor heatings; Conditions for contracts for wooden floorings; Works for Contract.

CA Oesterreichisches Normungsinstitute -ON-, Fachnormanausschuss 177 Handwerkerarbeiten, Wien (Editor)

PB: Wien; in-house publishing

PY: 1992

DD Jan 1992

PH: 10p

LA: de-German

DE: constructions-standardization; foreign-country, building-services; heating-assembly; joinery-work; under-floor-heating; timber-flooring; production-; execution-; laying-; contract-condition; subject-matter-of-contract; work-contract; part-of-contract; law-of-contract; additional-service; settlement-of-accounts; draft-standard; design-; Austria-

NT Availability, Oesterreichisches Normungsinstitut, Heinestr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafenstr. 6, D-1000 Berlin 30

CP AT-Austria

PT 140 Standard

PI ATS 120.

AV ATON Oesterreichisches Normungsinstiut, Wien, Austria:-

RI RSWB 1992 (06): 9074328 (DEIRB)

AN 1992(09): 1000758

Rating (*)

TI: **OeNORM B 3000, Teil 8, 1 Juli 1991 - Holzfussboeden Holzpflasterkloetze. = Wooden floorings; Paving blocks.**

CA Oesterreichisches Normungsinstitut -ON-, Fachnormenausschuss 118 Holzfussboeden, Wien (Editor)

PB Wien: in-house publishing

PY 1991

DD Jul. 1991

PH 4 p, tabs, refs.

LA de-German

DE construction-standardization; foreign-country, construction-material; timber-; construction-component; floor-, timber-floorings; wooden-pavement-blocks; definition-; dimension-; dimensional-deviation; permissible-deviation (tolerance); dimensional-tolerance; quality-requirement; moisture-content-of-wood; moisture-; oakwood-; fir-wood; pine-wood; larch-wood; terminology-; floor-covering; definition-; Austria-

NT Availability: Oesterreichisches Normungsinstitut, Heinstr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafenstr. 6, D-1000 Berlin 30

CP AT-Austria

AV ATON Oesterreichisches Normungsinstitut, Wien Austria:

RI RSWB 1991(01): 9001166 (DEIRB)

AN 1992(03):1000365

Rating (*)

TI: **OeNORM B 3000, Teil 10, 1 Juli 1991 - Holzfussboeden; Wandabschlussleisten und Friese = Wooden floorings; Skirtings and friezes**

CA: Oesterreichisches Normungsinstitut -ON- Fachnormenausschuss 118 Holzfussboeden, Wien (Editor)

PB: Wien: in-house publishing

PY: 1991

DD: Jul. 1991

PH: 6 p. figs. tabs.

LA: de-German

DE: construction-standardization; foreign-country; construction-material; timber-; construction-component; floor-; timber-flooring; floor-element; plinth-skirting, definition, dimension; dimensional-deviation; permissible-deviation (tolerance), dimensional-tolerance; quality-requirement; moisture-content-of-wood; moisture-, terminology-; definition-; class-; Austria-

NT: Availability: Oesterreichisches Normungsinstitut, Heinestr. 38, A-1021 Wien 2; Beuth Verlag, Burggrafenstr. 6, D-1000 Berlin 30

CP: AT-Austria

PT: 140 Standard

AV: ATON Oesterreichisches Normungsinstitut, Wien Austria:

RI: RSWB 1992 (01):9001169 (DEIRB)

AN: 1992(03):1000366

Rating (*)

TI: **Suspended timber floors - notching and drilling of joist. (Holzboeden auf Polsterhoelzern - Ausnehmungen und Bohrloecher in den Polsterhoelzern).**

CA: Building Research Establishment - BRE-, Garston (Editor)

PB: Garston: in-house publishing

PY: 1987

PH: 2 p

SE: Defect Action Sheet (Design); 99

LA: en-English

DE: construction-component; floor-; flooring-work; timber-flooring; sub-construction; structural-design; calculation-; recess-; influence-

AB: The permissible extent and distribution of material removal and holes without accounting for structural criteria (DEGH)

CP: GB- United-Kingdom

PT: 851 Monograph, not-commercially-available; 145 Irregular-serial

AV: ATOEGH Oesterreichische Gasellschaft fuer Holzforschung, Wien, Austria: HZ 388

RI: RSWB 1988(01):9022349 (DEIRB)

AN: 1991(04):1000400

Rating (*)

TI: **Holzfussboeden. (Wooden floors)**

AU: Ruske, -Wolfgang

SO: no. 4, p189-194

PY: 1990

PH: figs, refs, sect, det

IS: ISSN: 0173-5365

LA: de-German

DE: construction-component; floor; flooring-work; timber-flooring; wooden-pavement-blocks; renovation-of-old-buildings; subsoil; laying-pattern

CP: DE-Germany, Federal-Republic of

PT: 120 Periodical

AV: DEIRB: Informationszentrum Raum und Bau Stuttgart Germany: Z 1398

RI: RSWB 1990(05):9001352 (DEIRB)

AN: 1991 (01):1000718

Rating (*)

TI: Timber ground floor are back in fashion

AU: Oliver,-B

SO: Building-trades-journal

PN: v 199, no. 5856, p28-30

PY: 1990

DD: May 1990

LA: en-English

DE: timber-construction, timber-floor; timber-flooring, timber, timber-work, ground-floor

AB: Discusses the features and applications of timber ground floors

CP: GB-United-Kingdom

PT: 120 Periodical

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA psa2091995 (GBPSA)

AN: 1991 (10):1100074

Rating (*)

TI: Stimulated service testing of wood and wood-base finish flooring. (Stimulierte Abnutzungspruefung von Fussboeden aus Holz Holzwerkstoffen).

AU: Lewis, -Wayne. -C

CA: United States, Department of Agriculture, Forest Service, Forest Products Laboratory, Madison/Wis. (Editor)

PB: Madison/Wis: in-house publishing

PY: 1971

PH: 20 p.

SE: Research Paper, FPL, United States, Forest Service; 215

LA: en-English

DE: construction-component; floor-; timber-flooring; wood-; wood-based-materials; tests-; simulation-; wear-

PT: 851 Monograph, not-commercially-available; 145 Irregular-serial

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HS 208/215

RI: RSWB 1982(03): 9999896 (DEIRB)

AN: 1990 (02):1000335

Rating (*)

TI: Ultimate strength and stiffness of two residential floors

AU: Atherton,-George

PY: 1963

PH: Northwest Wood Products Clinic 1963, 14p.

LA: en-English

DE: construction-component; floor-; timber-flooring; residential-building; rigidity-; strength-; test-

PT: 851 Monograph, not-commercially-available

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforshung, Wien, Austria: HB 4484

RI: RSWB 1983(03):9800480 (DEIRB)

AN: 1990(01):1000003

Rating (*)

TI: Sind alte Holzbauweisen technisch und wirtschaftlich wieder aktuell? (Are old timber construction methods technically and economically en vogue again?)

AU: Schnitzer,- Ulrich

SO: Arch-plus

PN: v.17, no. 82, p32-34

PY: 1985

PH: figs

IS: ISSN 0587-3452

LA: de-German

DE: timber-construction; architecture-; residential-building; construction-material; timber-construction-method; plank-; wall-; timber-floor; timber-flooring; rehabilitation-; farm-; cost-comparison; economy-; structural-design; timber-use; project-; Black-Forest; Baden-Wuerttembert; German, -Federal-Republic-of; Germany, -Federal-Republic-of

CP: DE-Germany, Federal Republic of

PT: 120 periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 925

RI: RSWB 1986 (07):9300047 (DEIRB)

AN: 1986 (12):1000872

Rating (*)

TI: Suspended timber floors: notching and drilling of joists

CA: Building Research Establishment (Originator)

PB: Garston, Watford: Building Research Establishment

PY: 1987

PH: 2p, ill

SE: Defect Action Sheet (Building Research Establishment; no. 99)

LA: en-English

DE: timber-floor, timber-construction; timber-flooring; floor-; flooring; joist-

CP: GB - United Kingdom

PT: 850 Commercially-published-monograph; 150 Monographic-series

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps87164959 (GBPSA)

AN: 1987(07):1100511

Rating (*)

TI: Code of practice for flooring of timber, timber products and wood based panel products.

CA: British Standards Institution (Originator)

PB: London: British Standards Institution

PY: 1987

PH: 44p. ill

SE: British Standard (British Standards Institution); no. 8201:1987

IS: 0580142361

LA: en-English

DE: timber-floor; timber-flooring; flooring; floor-construction; floor-element, standard; B.S-; British Standards Institution; B.S.I

AB This has been prepared under the direction of the Timber Standards Committee. It is a revision of CP 201: part 1: 1967 (imperial) and CP.201: part 2: 1972 (metric) which it supersedes, and which are both withdrawn

CP GB - United-Kingdom

PT: 850 Commercially-published-monograph; 150 Monograph-series

PI: GBP 36.00

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps87164829 (GBPSA)

AN: 1987(07):1100124

Rating (*)

TI: **Holzpfasterboeden im Industrie - und Gewerbebau. (Floorings of wooden pavement blocks in industrial and business construction).**

AU: Ruske, - Wolfgang

SO: Baumarkt (1957)

PN: v.79, no. 22, p.1518-1520

PY: 1980

PH: figs, tabs

IS: ISSN: 0341-2717

LA: de-German

DE: construction-component; floor; timber-flooring; wood-species; surface-treatment; laying-; industrial-construction; material-characteristic

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 99

RI: RSWB 1982(11)-9050186 (DEIRB)

AN: 1987 (06): 1000561

Rating (*)

TI: **Einfamilienhaus nach baubiologischen Gesichtspunkten. (Single-family house under aspects of building biology)**

AU: Thaler, -Andreas

SO: Wohnung-und-Gesundheit

PN: v.8, no. 35, p15-17

PY: 1986

PH: figs

LA: de-German

DE: building-biology; architecture-; residential-building; single-family-house; room-climate; health; ceiling; timber-beam-floor; lime--; timber-flooring; cork; recycling-; insulation-; paint(coat); shielding-; electrical-system; residential-building

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1362

RI: RSWB 1986(09):9002188 (DEIRB)

AN: 1986(11):1000576

Rating (*)

TI: Comeback des Holzbodens auch in den USA. (Comeback of timber flooring also in the USA)

SO: Boden, -Wand, -Decke

PN: v.31, no 10, p.47-48

PY: 1985

IS: ISSN 0006-5463

LA: de-German

DE: construction-component, floor-; timber-flooring; market-trend; parquet-flooring, United-States

CP: DE-Germany, -Federal-Republic-of

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 320

RI: RSWB 1986(07):9300758 (DEIRB)

AN: 1987(03):1001476

Rating (*)

TI: Vorfertigung mit Holz. (Prefabrication with wood).

SO: Parkett

PN: v.14, no.10, p.301-306, no. 11, p328-332

PY: 1965

LA: de-German

DE: construction-component; floor-; timber-flooring; prefabrication-; parquet-; ready-to-lay-flooring

PT 120 Periodical

AV DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 223

RI RSWB 1970(00):9002739 (DEIRB)

AN 1987(01):1001749

Rating (*)

TI: Floors and flooring

CA: Building research Establishment (Originator)

SO: Chartered-quantity-surveyor

PN: v.6, no. 8, p.307, 309

PY: 1984

DD Mar. 1984

IS: ISSN: 0142-5196

LA: en-English

DE: construction-component; floor-; timber-flooring; moisture; paint(coat)

AB: Gives guidance on the effects of moisture on floor finishes; floor screeds; timber floor; and flooring materials

CP: GB- United-Kingdom

PT: 120 Periodicals

AV: GBBL British Library, Boston Spa, Great Britain

RI: PICA ps840512 (GBPSA)

AN: 1986(08):1126299

Rating (*)

TI: Everyday details. 14: Masonry walls

SO: Architects' journal (London)

PN: v 106, no. 49, p.1333-1335

PY: 1974

DD: 04 Dec. 1974

IS: ISSN: 0003-8466

LA en-English

DE building-design, detailing-; timber-flooring; connection-; ceiling-

CP GB-United-Kingdom

PT 120 Periodical-

AV DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1106

RI PICA ps750124 (GBPSA)

AN 1986(08):1113982

Rating (*)

TI: Robert Davis, Small Town Entrepreneur

AU Boles, -Daralice. -D

SO Progressive-architecture

PN v.66, no.7, p.111-118

PY 1985

PH figs.

IS ISSN: 0033-0752

LA en-English

DE architecture; residential-building; holiday-village; new-town; timber-frame-construction; pile-foundation; timber-flooring; timber-cladding; design-regulation; building-development-planning; urban-design; landscape-integrated-building; project: Duany (architect); Plater-Zyberk (architect); Seaside-; Florida-; United-States; 1973-1985

AB In the grand tradition of Florida resort developers, Robert Davis is building the Panhandle's answer to Henry Flager's Palm Beach. The new town of Seaside, Florida, was planed by Miami architect Duany & Plater-Zybert, then turned over to town architects who follow a most unusual urban code. The Town of Seaside, Florida, winner of a 1984 P/A citation for urban design, is now 40 houses strong, and building. Of the eight zoning categories only two-types VI and VII, both residential - have been tested in construction. The zoning code and complementary building specifications are enforced by developer Robert Davis, his construction supervisor, and town architect. (-z-)

CP: US - United-States

PT: 120 Periodical-

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany: Z 1502

RI: RSWB 1986(05):9300268 (DEIRB)

AN: 1986(08):1029007

Rating (*)

TI: The structural design of timber joisted domestic floors

PY: 1975

LA: en-English

DE: construction-component; floor-; timber-flooring; ceiling-; timber-beam-floor; structural-design

PT: 851 Monograph, not-commercially-available

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria HZ 388

RI: RSWB 1983(03):9800391 (DEIRB)

AN: 1986 (08):1001360

Rating (*)

TI: Wooden floor constructions in one-family houses

CA: Houtvoorlichtingsinstituut, Amsterdam (Editor)

PB: Amsterdam: in-house publishing.

PY: 1972

PH: 12 p.

LA: nl-Dutch

LS: en-English

DE: construction-component; floor-; timber-flooring; residential-building; single-family-house

PT: 851 Monograph, not-commercially-available

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HB 5430

RI: RSWB 1983(03):9800558 (DEIRB)

AN: 1986(08): 1001415

Rating (*)

TI: Die wirtschaftliche Herstellung von industriell vorgefertigten Warmboeden aus Holz- und Holzwerkstoffen (The economical production of industrially prefabricated heat floors of timber and timber material).

In: Faipari Kutatoso

AU: Pasztory, -Ferenc

PN: p.219-255

PY: 1972

LA: hu-Hungarian

LS: de-German; en-English, ru-Russian

DE: construction-component; floor-; timber-flooring; structural-design; wood; wood-based-materials

PT: 850 Commercially-published-monograph

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HI 1574/1971

RI: RSWB 1983(04):9800816 (DEIRB)

AN: 1986 (08):1001861

Rating (*)

TI: Holz - der ideale Rohstoff fuer Holzfussboeden. (Timber - in the ideal raw material for timber floorings).

CA: Bundesholzwirtschaftsrat, Wien (Editor)

PB: Wien: in-house publishing

PY: 1962

PH: 24p.

LA: de-German

DE: construction-component; floor-; timber-flooring; structural-design; sealing-; stability-; protection-against-sound; thermal-protection; development-

PT: 851 Monograph, not-commercially-available

AV: ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria: HB2498

RI: RSWB 1983(03):9800463 (DEIRB)

AN: 1986 (08):1001378

Rating (*)

TI: **Verstaerkung von Holzbalkendecken durch nachtraegliche Scheibenaubildung - T-foermiger Verbundkoerper. (Branching of timber beam floors by means of subsequent plate forming - a T-shaped composite unit).**

AU: Moenck, Willi

SO: Bauzeitung

PN: v.36, no.3, p.152-157

PY: 1982

PH: figs, tabs, refs

IS: ISSN:0005-6871

LA: de-German

DE: timber-construction; calculation-, beam-; timber-flooring; timber-beam-floor; bearing-capacity; execution-; floor-sheet; working-time; saving-; Germany; -Democratic-Republic

CP: DD-Germany, -Democratic-Republic

PT: 120 Periodical

AV: DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany Z 381

RI: RSWB 1982(07):9080217 (DEIRB)

AN: 1986(07):1029494

PT 851 Monograph, not-commercially-available

AV ATOEGH Oesterreichische Gesellschaft fuer Holzforschung, Wien, Austria; HB2498

RI RSWB 1983(03):9800463 (DEIRB)

AN 1986 (08):1001378

Rating (*)

TI: **Verstaerkung von Holzbalkendecken durch nachtraegliche Scheibenaubildung - T-foermiger Verbundkoerper. (Branching of timber beam floors by means of subsequent plate forming - a T-shaped composite unit).**

AU Moenck, Willi

SO Bauzeitung

PN v.36, no.3, p.152-157

PY 1982

PH figs, tabs, refs

IS ISSN:0005-6871

LA de-German

DE timber-construction; calculation-, beam-; timber-flooring; timber-beam-floor; bearing-capacity; execution-; floor-sheet; working-time; saving-; Germany; -Democratic-Republic

CP DD-Germany, -Democratic-Republic

PT 120 Periodical

AV DEIRB Informationszentrum Raum und Bau, Stuttgart, Germany Z 381

RI RSWB 1982(07):9080217 (DEIRB)

AN 1986(07):1029494