

de la construcción

**REALIZZAZIONI
ITALIANE IN CEMENTO
ARMATO PRECOMPRESSO
1982/86**
AITEC (Asociación
Italiana Técnico-Económica del
Cemento)
Via S. Teresa 23
00198 ROMA (Italia)
1 vol. de 200 págs. de
21 X 30 cm; 418 figuras

Este volumen, editado en italiano e inglés, está obtenido de un número especial de la revista «L'Industria Italiana del Cemento», publicado con ocasión del X Congreso Internacional de la FIP celebrado en Nueva Delhi el pasado año.

El libro reúne una significativa selección de estructuras pretensadas construidas en Italia, o en el extranjero por proyectistas italianos, durante los últimos 4 años: 20 puentes y viaductos, 10 edificios y 5 estructuras varias.

Todas estas destacadas estructuras están ilustradas con muchos detalles constructivos y espléndida documentación fotográfica en esta cuidada publicación, que es la séptima de la serie de Monografías que ha publicado la AITEC con motivo de los Congresos Internacionales del Hormigón Pretensado.

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**SERIES ON LIGHTWEIGHT
STRUCTURES IN
ARCHITECTURE**
Lightweight Structures
Research Unit (LSRU)
G. School of Built Environment
Faculty of Architecture
University of New South Wales
P.O. Box 1
KENSINGTON NSW 2033
(Australia)

Las Monografías que se integran en esta colección, reflejan la labor que desarrolla esta Unidad de Investigación de la Universidad Australiana, referente al tema de las Estructuras Ligeras.

Hasta el momento se han publicado:

LS 1 - Circus Tents in Australia
(Tiendas de Circo en
Australia), 34 págs., 27

fotografías, 7,50 dólares
australianos.

LS 2 - Membrane Structures in
Australia (Estructuras de
membrana en Australia),
86 págs., 105 fotografías,
15 dólares australianos.

LS 3 - Membrane Structures
(Estructuras de
membrana), 294 págs.,
160 fotografías, 45
dólares australianos.

Hay otros títulos en
preparación de los que se
puede solicitar
información al editor.

* * *

LIGHTWEIGHT STRUCTURES IN ARCHITECTURE

The University of New
South Wales
Unisearch Limited
P.O. Box 1
KENSINGTON, NSW
2033 Australia
2 vols. de 739 y
298 págs. de 15 X 21 cm
respectivamente.

Se reúnen en esta publicación los trabajos presentados y expuestos en la Primera Conferencia Internacional de Estructuras Ligeras en Arquitectura, que tuvo lugar los días 24-29 de agosto de 1986 en Sydney, Australia.

Estas conferencias resumen el trabajo de muchos individuos de diversas procedencias y especialidades. Presentan los variados aspectos que permitirán la creación de un medio ambiente mejor y más humano por medio de construcciones ligeras. Por necesidad, este sumario es incompleto: las aplicaciones arquitectónicas y aspectos tecnológicos están muy bien representados, mientras otros temas importantes como el lenguaje arquitectónico de las estructuras ligeras, reacciones de los usuarios, aspectos económicos y ambientales aparecen en contadas ocasiones.

Es preciso reconocer la valía de la organización que emprendió el tema, que se espera tenga un prometedor futuro.

* * *

**COLECCION NUEVAS
TENDENCIAS**
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Científicas - CSIC
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28006 MADRID (España)

Esta nueva serie de Nuevas Tendencias en la Investigación Científica y Técnica recoge en una colección de libros los hitos más destacados de la actualidad.

El Excmo. Sr. D. Enrique Trillas, Presidente del CSIC señala: «La actividad investigadora del CSIC genera habitualmente un gran número de publicaciones. De hecho, el CSIC es, con gran diferencia, la Institución científica española que produce mayor porcentaje relativo de publicaciones especializadas, de entre las registradas en los Bancos de Datos Internacionales.

Una vez traspasada la primera mitad de la segunda programación investigadora del CSIC, el Servicio de Publicaciones ha hecho un considerable esfuerzo para dar a conocer los resultados. Fruto de esta actividad y de la colaboración con investigadores de otras instituciones, son estos libros de la colección «Nuevas Tendencias», que sistematizan algunos de los trabajos más relevantes. De una forma reposada esta colección intenta, a la vez, dar un cuerpo de doctrina de actualidad y hacer conocer, de forma pública, todo un amplio bagaje científico hasta ahora confinado al sólo ámbito de los investigadores y de las revistas especializadas».

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Egipciacas, 1
08001 BARCELONA
Tel.: (93) 242 65 73

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RESEÑA BIBLIOGRAFICA SOBRE EL HORMIGON REFORZADO CON FIBRA DE VIDRIO

Santiago Julián Luján

CEDEX, Centro de Estudios y Experimentación de Obras Públicas

Area de Información y Documentación

La información que en este trabajo se presenta procede de una búsqueda bibliográfica retrospectiva que hemos realizado a la base de datos COMPENDEX.

Se han seleccionado 56 referencias bibliográficas de las cuales un 77% son posteriores a 1980. Dichas referencias corresponden a trabajos publicados en una treintena de publicaciones diferentes, y tratan muy distintos aspectos de la utilización de la fibra de vidrio en la preparación de hormigones, tales como sus propiedades, los procedimientos para su fabricación o algunas aplicaciones prácticas.

Para cada documento, además de sus datos bibliográficos básicos, hemos incluido una relación de sus descriptores, con la intención de ofrecer un reflejo más exacto de su contenido.

Cuando dos descriptores aparecen dentro de un paréntesis, ambos conceptos están relacionados. En este caso el término que aparece con minúsculas complementa el significado del otro.

Finalmente, un descriptor señalado con un asterisco quiere representar que este término es más significativo en relación al contenido que el resto de los descriptores.

EARLY APPLICATIONS OF GRC IN ROMANIA
Anon
Concr Plant Prod v 4 n 9 Sep 1986 p 335-338 Coden: CPPRE ISSN: 0264-0236 In ENGLISH
Controlled Terms: *CONCRETE PRODUCTS / (CONCRETE REINFORCEMENTS -- Glass Fiber) / CONCRETE CONSTRUCTION -- Precast / Uncontrolled Terms: GLASS REINFORCED CONCRETE

New Prestressed Concrete Technology
EIN NEUER WERKSTOFF FUER SPANNBETON
Wassner, Erich; Wolff, Reinhard
Beton v 36 n 7 Jul 1986 p 245-250 Coden: BTONA ISSN: 0005-9846 In GERMAN Refs: fs. In German
Controlled Terms: (*CONCRETE CONSTRUCTION -- *Prestressing) / (BRIDGES -- CONCRETE -- Prestressed Materials) / (GLASS FIBER -- Applications) /

DURABILITY TEST METHOD FOR ALKALI-RESISTANT GLASS FIBER USED AS REINFORCING ELEMENT IN CEMENT
Ohigashi, T.
Asahi Glass Co, Yokohama, Jpn
Cem Concr Res v 16 n 3 May 1986 p 383-393 Coden: CCNRA ISSN: 0008-8846 In ENGLISH Refs: fs
Controlled Terms: (*CONCRETE REINFORCEMENTS -- *Testing) / (GLASS FIBER -- Applications) / (CONCRETE -- Durability) / Uncontrolled Terms: TENSILE STRENGTH / CEMENT COMPOSITE / LOAD RETENTION / GLASS FIBER STRANDS

Durability of PGRC; Design Implications
DAUERHAFTIGKEIT VON POLYMER-GLASFASERBETON (PGRC); FOLGERUNG FUER DEN ENTWURF
Jacobs, M. J. N.
Betonwerk Fertigteil Tech v 52 n 4 Apr 1986 p 228-233 Coden: BWFTA ISSN: 0373-4331 In GERMAN, ENGLISH
Controlled Terms: (*CONCRETE -- *Durability) / (GLASS FIBER -- Mechanical Properties) / (COMPOSITE MATERIALS -- Aging) / Uncontrolled Terms: POLYMER GLASSFIBER CONCRETE / ACCELERATED AGING / COMPOSITE ELEMENT DESIGN

Glass Fibre Reinforced Concrete - The Way Ahead for Concrete Pipes?
GLASFASERBEWEHRTER BETON - DER WEG IN DIE ZUKUNFT FUER BETONROHRE?
Heavens, J. W.; Downey, D. B.
ARC Slimline Ltd, Bristol, Engl
Betonwerk Fertigteil Tech v 52 n 4 Apr 1986 p 220-227 Coden: BWFTA ISSN: 0373-4331 In GERMAN, ENGLISH
Controlled Terms: (*PIPE, CONCRETE -- *Standards) / (COMPOSITE MATERIALS -- Fiber Reinforced) / (PIPE -- Manufacture) / (MARKETING -- Economics) / Uncontrolled Terms: PRODUCT INNOVATION / PRODUCT DEVELOPMENT / PROCESS DEVELOPMENT

RECONSTRUCTION TRIALS FOR EAST SUSSEX COUNTY COUNCIL OF MIX-IN-PLACE RECYCLING WITH CEMENT AND GLASS-FIBRE-REINFORCED SURFACE DRESSING
Kennedy, J.; Clark, A. J.
Tech Rep Cem Concr Assoc 565 Mar 1986 29p Coden: TCCAD ISSN: 0528-3701 In ENGLISH Refs: 88 refs
Controlled Terms: (*ROADS AND STREETS -- *Maintenance) / (PAVEMENTS -- Recycling) / (CONCRETE REINFORCEMENTS -- Glass Fiber) / CEMENT / BITUMINOUS MATERIALS / Uncontrolled Terms: MIX IN PLACE RECYCLING

CONCRETE HAS A PAST AND A FUTURE
Anon
Surveyor (Sutton Engl) v 165 n 4865 Oct 10 1985 p 14, 16 Coden: SLGTA ISSN: 0039-6303 In ENGLISH
Controlled Terms: (*SEWERS -- *Concrete Construction) / (PIPE -- CONCRETE -- Standards) / (GLASS FIBER -- Applications) / Uncontrolled Terms: DRAINAGE PRODUCTS / MANUFACTURING TECHNOLOGY / GLASS REINFORCED CEMENT / ALKALI RESISTANT GLASS FIBER

EVALUATION OF GLASS FIBER REINFORCED CONCRETE PANELS FOR USE IN MILITARY CONSTRUCTION
Williamson, Gilbert R.
US Army Construction Engineering Research Lab, Champaign, IL, USA
Tech Rep US Army Corps Eng Constr Eng Res Lab M-85-15 Jun 1985 25p Coden: TRCLD ISSN: 0160-3108 In ENGLISH

Controlled Terms: (*BUILDINGS -- *Military Purposes) / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / STRUCTURAL PANELS / (GLASS FIBER -- Applications) / Uncontrolled Terms: LONG TERM EVALUATION / STRESS STRAIN CURVES / AGING BENDING TESTS / PANEL STIFFENERS / PANEL PRODUCTION AND PRACTICE

USE OF BY-PRODUCTS FOR GLASS FIBER REINFORCED CONCRETE
Kohno, Kiyoshi; Horii, Katsunori
Univ of Tokushima, Jpn
Trans Jpn Concr Inst v 7. Publ by Japan Concrete Inst, Tokyo, Jpn, 1985 p 25-32 Coden: TJCIE In ENGLISH Refs: fs
Controlled Terms: (*CONCRETE REINFORCEMENTS -- *Efficiency) / (GLASS FIBER -- Mechanical Properties) / (INDUSTRIAL PLANTS -- Byproducts) / Uncontrolled Terms: COMPOSITE MATERIAL / CRACK RESTRAINING CAPABILITY / FLEXURAL STRENGTH / SHEARING STRENGTH

DURABILITY OF GLASS-FIBER-REINFORCED CEMENTS WITH DIFFERENT ALKALI-RESISTANT GLASS FIBERS
Bentur, A.; Ben-Bassat, M.; Schneider, D.
Technion-Israel Inst of Technology, Building Research Station, Haifa, Isr
J Am Ceram Soc v 68 n 4 Apr 1985 p 203-208 Coden: JACTA ISSN: 0002-7820 In ENGLISH Refs: 188 refs
Controlled Terms: (*CONCRETE CONSTRUCTION -- *Reinforced Concrete) / (COMPOSITE MATERIALS -- Fiber Reinforced) / (GLASS FIBER -- Applications) / Uncontrolled Terms: DURABILITY / GRC COMPOSITES / FIBER STRANDS / WET EXPOSURE EFFECTS

FIBER REINFORCEMENT FOR CONCRETE
Naaman, Antoine E.
Univ of Michigan, Ann Arbor, MI, USA
Concr Int v 7 n 3 Mar 1985 p 21-25 Coden: CIDCD ISSN: 0162-4075 In ENGLISH
Controlled Terms: *CONCRETE REINFORCEMENTS / (GLASS FIBER -- Applications) / (CONCRETE CONSTRUCTION -- Plastics Applications) / (BUILDING MATERIALS -- Plastics) / Uncontrolled Terms: POLYPROPYLENE FIBERS / METAL FIBERS / STEEL FIBERS

ANCHOR SYSTEMS FOR GLASS REINFORCED CEMENT CLADDING
Harrison, Peter J.
Harris & Edgar Ltd, Engl
Concr Int v 7 n 3 Mar 1985 p 51-53 Coden: CIDCD ISSN: 0162-4075 In ENGLISH
Controlled Terms: (*CEMENT -- *Protective Coatings) / (CONCRETE CONSTRUCTION -- Structural Design) / (GLASS FIBER -- Applications) / Uncontrolled Terms: PRINCIPLES OF ANCHOR SYSTEM / CLADDING MOVEMENT / METAL SELECTION

FIBER REINFORCED MORTARS IN THE RESURFACING OF CONCRETE
Razi, Ivan
Gemite Unique Products Inc, Rexdale, Ont, Can
Concr Int v 7 n 3 Mar 1985 p 41-44 Coden: CIDCD ISSN: 0162-4075 In ENGLISH
Controlled Terms: (*MORTAR -- *Applications) / (CONCRETE REINFORCEMENTS / (BRIDGES -- CONCRETE -- Repair) / (CONCRETE -- Waterproofing) / WATER TANKS AND TOWERS / GLASS FIBER / Uncontrolled Terms: BRIDGE DECK RESURFACING / WATER STORAGE STRUCTURES / PARKING DECK WATERPROOFING / INDUSTRIAL FLOORS

GLASSFIBRE REINFORCED CEMENT PERMANENT FORMWORK
True, G. F.
Velmac UK
Concrete (London) v 19 n 2 Feb 1985 p 31-33 Coden: CCRTA ISSN: 0010-5317 In ENGLISH
Controlled Terms: (*CONCRETE CONSTRUCTION -- *Forms) / CEMENT / GLASS FIBER / Uncontrolled Terms: GLASSFIBER REINFORCED CEMENT / PERMANENT FORMWORK

REACTIVITY OF SiO₂/2 FUME FROM FERROSILICON PRODUCTION WITH Ca(OH)₂/2 UNDER HYDROTHERMAL CONDITIONS
Kurbus, B.; Bakula, F.; Gabrovsek, R.
Boris Kidric Inst of Chemistry, Ljubljana, Yugosl

Cem. Concr. Res. v. 15 n. 1 Jan 1985 p. 134-140 Coden: CCNRA ISSN: 0008-8846 In ENGLISH Refs: 144 refs

Controlled Terms: (*CEMENT -- *Raw Materials) / (SILICA -- Manufacture) / CALCIUM COMPOUNDS / GLASS FIBER / (CONCRETE -- Additives) /

Uncontrolled Terms: SILICA DIOXIDE FUME / C S H PHASE / LIGHTWEIGHT THERMAL INSULATION / THERMAL BARRIER / CALCIUM SILICATE HYDRATE XONOTLITE

FIBER REINFORCEMENT OF SULFUR CONCRETE TO ENHANCE FLEXURAL PROPERTIES

Jong, B. W.; McBee, W. C.; Rasmussen, K. L.; Sullivan, T. A.

US Bur of Mines, Albany Research Cent, Albany, OR, USA

Rep Invest US Bur Mines 8956 1985 12p Coden: XBMIA ISSN: 0096-1922 In ENGLISH Refs: fs

Controlled Terms: (*CONCRETE -- *Mechanical Properties) / (GLASS FIBER -- Applications) / (POLYESTERS -- Applications) /

Uncontrolled Terms: FIBER REINFORCEMENT / SULFUR CONCRETE / FLEXURAL PROPERTIES / ARAMID FIBER / COMPRESSIVE STRENGTH

CORROSION AND MATERIAL PROBLEMS IN THE COPPER PRODUCTION INDUSTRY

Pohlman, Steven L.; Olson, Robert V.

Kennecott-Process Technology, Salt Lake City, UT, USA

Mater Perform v. 23 n. 12 Dec 1984 p. 9-13 Coden: MTPFB ISSN: 0094-1492 In ENGLISH Refs: 66 refs

Controlled Terms: (*METALS AND ALLOYS -- *Corrosion) / (COPPER ORE TREATMENT -- Corrosion) / (COPPER SMELTING -- Corrosion) / (FURNACES -- METALLURGICAL -- Corrosion) / (CONCRETE -- Corrosion) / (GLASS FIBER -- Corrosion) /

Uncontrolled Terms: GRINDING BALLS / TUYERES / ELECTROWINNING / BAGHOUSES / OFFGAS CORROSION

STATE-OF-THE-ART REPORT ON FIBER REINFORCED SHOTCRETE

Saabrook, Philip T.; Balick, Lora F. Jr.; Bawa, K. S.; Bortz, S. A.;

Chynoweth, Gary L.; Crom, Theodore R.; Dikeou, James T.; Drudy,

William A.; Fredericks, John C.; Glassgold, I. Leon; Menager, C. H.

Sr.; Heneghan, Joseph; Kaden, Richard A.; Lanclos, Jim; Litvin, Albert

Schneider, Ernest K.

American Concrete Inst, Committee 506, Detroit, Mich, USA

Concr Int v. 6 n. 12 Dec 1984 p. 15-27 Coden: CIDCD ISSN: 0162-4075 In ENGLISH Refs: 422 refs

Controlled Terms: (*CONCRETE CONSTRUCTION -- *Shotcreting) / (COMPOSITE MATERIALS -- Fiber Reinforced) / (STRENGTH OF MATERIALS -- Evaluation) /

Uncontrolled Terms: FIBER REINFORCED CONCRETES / METAL FIBERS / GLASS FIBERS / MIX PROPORTIONING

MODULAR CONCRETE BUILDING SYSTEMS MEETS STRINGENT DOE REQUIREMENTS

Anon

Energy Manage Technol v. 8 n. 6 Sep 1984 p. 22-23 Coden: EMTAD In ENGLISH

Controlled Terms: (*BUILDINGS -- *Modular Construction) / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / GLASS FIBER / HEAT INSULATING MATERIALS / ENERGY CONSERVATION /

Uncontrolled Terms: ENERGY EFFICIENCY

GLASS REINFORCED CEMENT

Anon

Civ Eng (London) Jun 1984 p. 37-39 Coden: CVEGA ISSN: 0305-6473 In ENGLISH

Controlled Terms: (*CEMENT -- *Standards) / (GLASS FIBER -- Physical Properties) / (CONCRETE REINFORCEMENTS -- Bond) /

Uncontrolled Terms: GLASS FIBER REINFORCED CEMENT

DURABILITY OF ALKALI-SENSITIVE FIBRES IN CONCRETE

Bergstrom, Sven G.; Gram, Hans-Erik

Swedish Cement & Concrete Research Inst, Swed

Int J Cem Compos Lightweight Concr v. 6 n. 2 May 1984 p. 75-80 Coden: ICCDD ISSN: 0262-5075 In ENGLISH Refs: 99 refs

Controlled Terms: (*CONCRETE -- *Durability) / (GLASS FIBER -- Mechanical Properties) / (CONCRETE REINFORCEMENTS -- Aging) /

Uncontrolled Terms: NATURAL FIBERS / FIBER CEMENT COMPOSITES

PROPERTIES OF GRC CONTAINING PFA

Singh, B.; Majumdar, A. J.; Ali, M. A.

Dep of the Environment, Building Research Establishment, Watford, Eng

Int J Cem Compos Lightweight Concr v. 6 n. 2 May 1984 p. 65-74 Coden: ICCDD ISSN: 0262-5075 In ENGLISH Refs: 55 refs

Controlled Terms: (*COMPOSITE MATERIALS -- *Fiber Reinforced) / (CONCRETE AGGREGATES -- Fly Ash) / (GLASS FIBER -- Mechanical Properties) / (CONCRETE TESTING -- Weathering) /

Uncontrolled Terms: TENSILE STRENGTH / IMPACT STRENGTH

ASBESTOS SUBSTITUTE CUTS OUT HEALTH HAZARD

Marsh, Paul

Surveyor (Sutton Engl) v. 163 n. 4781 Feb 23 1984 p. 12-13 Coden: SLGTA ISSN: 0039-6303 In ENGLISH

Doc. Type: JOURNAL ARTICLE Treatment Des.: Applications

Controlled Terms: *BUILDING MATERIALS / ASBESTOS CEMENT / (GLASS FIBER -- Applications) / CONCRETE REINFORCEMENTS / (BUILDINGS -- Accident Prevention) /

Uncontrolled Terms: PORTLAND CEMENT / ZIRCONIUM BASED GLASS / BUILDING BOARDS

TEST METHOD FOR THE STRENGTH OF GLASS FIBRES IN CEMENT

Litherland, K. L.; Maguire, P.; Proctor, B. A.

Pilkington Brothers

Int J Cem Compos Lightweight Concr v. 6 n. 1 Feb 1984 p. 39-45 Coden: ICCDD ISSN: 0262-5075 In ENGLISH Refs: 17 refs

Controlled Terms: (*COMPOSITE MATERIALS -- *Fiber Reinforced) / (CONCRETE TESTING -- Tensile Tests) / (GLASS FIBER -- Mechanical Properties) /

Uncontrolled Terms: STRAND IN CEMENT TESTS

PAVEMENT MAINTENANCE AND REHABILITATION

Kellas, Bernard F. (Ed.)

Asphalt Inst, College Park, MD, USA

ASTM Spec Tech Publ 881, Pavement Maint and Rehabil, Bal Harbour, FL, USA, Dec 7 1983. Publ by ASTM, Philadelphia, PA, USA, 1985 96p

Coden: ASTTA ISSN: 0066-0558 In ENGLISH

ISBN: 0-8031-0424-3 Doc. Type: Conference Proceedings

Controlled Terms: (*PAVEMENTS -- *Maintenance) / (CONCRETE -- Cracking) / (ROADS AND STREETS -- Bituminous) / (FRICTION -- Measurements) / (PLASTICS -- REINFORCED -- Glass Fiber) / (MEMBRANES -- Applications) /

Uncontrolled Terms: FLEXIBLE PAVEMENTS / OVERLAYS / GYRATORY TESTING MACHINES / REFLECTIVE CRACKING / EIREV

CHARACTERISTICS OF DRYING SHRINKAGE OF GLASS FIBER REINFORCED CONCRETE

Komiya, Shoji; Mashima, Mitsuyasu; Mise, Tadashi

Osaka City Univ, Osaka, Jpn

Mem Fac Eng Osaka City Univ v. 24 Dec 1983 p. 271-274 Coden: MFEDA ISSN: 0078-6659 In ENGLISH Refs: 33 refs

Controlled Terms: (*CONCRETE -- *Shrinkage) / (CONCRETE AGGREGATES -- Glass) /

NEW BRITISH PIPEMAKING TECHNOLOGY USES GLASS FIBER REINFORCEMENT

Gulton, Michael

Concrete (Chicago) v. 47 n. 7 Nov 1983 p. 41-43 Coden: CNCTD In ENGLISH

Controlled Terms: (*PIPE, CONCRETE -- *Manufacture) / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / GLASS FIBER /

PROCEEDINGS OF THE JAPAN CONGRESS ON MATERIALS RESEARCH, 26TH, 1982

Kunugi, Masanaga (Ed.)

Kyoto Univ, Kyoto, Jpn

Proc Jpn Congr Mater Res 26th, Kyoto, Jpn, Sep 1982. Publ by Soc of Materials Science, Japan, Kyoto, Jpn, 1983 305p Coden: JMRPA ISSN: 0368-3141 In ENGLISH

Controlled Terms: (*MATERIALS TESTING -- *Fracture) / (CONCRETE CONSTRUCTION -- Underwater) / (METALS TESTING -- Plasticity) / (PLASTICS -- REINFORCED -- Glass Fiber) / (CERAMIC MATERIALS -- Fatigue) / (JOINTS -- ADHESIVE -- Fatigue) /

Uncontrolled Terms: EIREV / STRAIN RATE EFFECTS / STEADY STATE DEFORMATION / POLYMERIC SOLIDS FRACTURE / LOADING METHODS OF PRESTRESSED BEAM

STUDY ON ALKALI-RESISTANT GLASS-CERAMIC FIBERS

Sekka, Sumio; Kamiya, Kanichi

Mie Univ, Faculty of Engineering, Tsu, Jpn

Rep Res Lab Eng Mater Tokyo Inst Technol n. 8 1983 p. 219-234 Coden: RLTD ISSN: 0385-3799 In ENGLISH Refs: 122 refs

Controlled Terms: *GLASS FIBER / CONCRETE REINFORCEMENTS /

REPLACE OR REHABILITATE DETERIORATING MANHOLES?

Hunt, Larry E.

Public Services, Yuma, Az, USA

Public Works v. 114 n. 8 Aug 1983 p. 54-55 Coden: PUMQA ISSN: 0033-3840 In ENGLISH

Controlled Terms: (*SEWERS -- *Maintenance) / (CONCRETE CONSTRUCTION -- Precast) / GLASS FIBER /

Uncontrolled Terms: MANHOLES / INTERCEPTOR SEWERS

CONTINUOUS FLOW-LINE PRODUCTION OF GRC BUILDING BOARD

Anon

Concr Plant Prod v. 1 n. 6 Apr 1983 p. 215-218 Coden: CPPRE In ENGLISH

Controlled Terms: (*CONCRETE REINFORCEMENTS -- *Evaluation) / (GLASS FIBER -- Applications) /

Building Renovation and Preservation of Monuments by Means of Glass Fiber Concrete

GEBAEUNDERENOVIERUNG UND DENKMALPFLEGE MIT GLASFASERBETON

Mueller, Heinz

Baumesch Bautech v. 30 n. 1 Jan 1983 p. 14-16, 19 Coden: BMBTA ISSN: 0005-6693 In GERMAN

Controlled Terms: (*CONCRETE -- *Admixtures) / (CONCRETE AGGREGATES -- Glass) / GLASS FIBER /

PROPERTIES OF GLASS FIBRE-REINFORCED POLYMER-MODIFIED CEMENT

Bijen, J.; Jacobs, M.

Intron Inst, Maastricht, Neth

Mater Constr Mater Struct v. 15 n. 89 Sep-Oct 1982 p. 445-452 Coden: MCMSEB ISSN: 0025-5432 Refs: 14

Controlled Terms: (*CEMENT -- *Additives) / GLASS FIBER / POLYMERS / CONCRETE REINFORCEMENTS / COMPOSITE MATERIALS /

MICROSTRUCTURAL FEATURES OF INTERFACES IN FIBER CEMENT COMPOSITES

Page, C. L.

Univ of Aston, Birmingham, Engl

Composites v. 13 n. 2 Apr 1982 p. 140-144 Coden: CPSOA ISSN: 0010-4361 Refs: 35

Controlled Terms: (*COMPOSITE MATERIALS -- *Microstructure) / CEMENT / GLASS FIBER / STEEL / CONCRETE REINFORCEMENTS / (CONCRETE -- Mechanical Properties) /

Uncontrolled Terms: INTERFACES / REINFORCED CONCRETE / STEEL FIBER

DEVELOPMENTS IN THE ASSESSMENT AND PERFORMANCE OF GRC OVER 10 YEARS

Proctor, B. A.; Oakley, D. R.; Litherland, K. L.

Pilkington Brothers PLC, Ormskirk, Lancashire, Engl

Composites v. 13 n. 2 Apr 1982 p. 173-179 Coden: CPSOA ISSN: 0010-4361 Refs: 15

- Controlled Terms: (*COMPOSITE MATERIALS -- *Mechanical Properties) / CEMENT / GLASS FIBER / CONCRETE / MATERIALS TESTING / AGING OF MATERIALS /
Uncontrolled Terms: GLASS FIBER REINFORCED CEMENT / ALKALI RESISTANT GLASS FIBERS
- PROCEEDINGS OF THE INTERNATIONAL CONGRESS ON GLASS FIBRE REINFORCED CEMENT, 1981
Blake, Vincent (Ed.)
Glassfibre Reinforced Cement Assoc, Gerrards Cross, Bucks, Engl
Proc of the Int Congr on Glass Fibre Reinf Cem, Paris, Fr, Nov 10-12 1981 Publ by Glassfibre Reinforced Cement Assoc, Gerrards Cross, Bucks, Engl, 1982 412p In ENGLISH
Controlled Terms: (*CONCRETE CONSTRUCTION -- *Reinforced Concrete) / (GLASS FIBER -- Applications) / (COMPOSITE MATERIALS -- Fiber Reinforced) / (CONCRETE -- Chemical Reactions) / (STRUCTURAL PANELS -- Protective Coatings) / (BUILDING MATERIALS -- Marketing) /
Uncontrolled Terms: GLASS FIBER REINFORCED CEMENT / ASBESTOS CEMENT REPLACEMENT / BUILDING MATERIAL MARKETING / GLASS FIBER CHEMICAL RESISTANCE / EIREV
- MICROSTRUCTURE OF GLASS FIBRE REINFORCED SUPERSULPHATED CEMENT
Majumdar, A. J.; Stucke, M. S.
Build Res Establ, Garston, Watford, Engl
Cem Concr Res v 11 n 5-6 Sep-Nov 1981 p 781-788 Coden: CCNRA ISSN: 0008-8846 Refs: 9
Controlled Terms: (*CONCRETE -- *Plastics Applications) / (CONCRETE REINFORCEMENTS -- Plastics Applications) / (GLASS FIBER -- Applications) /
Uncontrolled Terms: SUPERSULFATED CEMENT
- GLASS FIBRE-REINFORCED SUPERSULPHATED CEMENT
Majumdar, A. J.; Singh, B.; Evans, T. J.
Build Res Establ, Hertfordshire, Engl
Composites v 12 n 3 Jul 1981 p 177-183 Coden: CPSOA ISSN: 0010-4361 Refs: 9
Controlled Terms: (*CEMENT -- *Sulfonation) / GLASS FIBER / CONCRETE REINFORCEMENT / (COMPOSITE MATERIALS -- Mechanical Properties) / MATERIALS TESTING /
Uncontrolled Terms: SUPERSULFATED CEMENT
- RECOMMENDED PRACTICE FOR GLASS FIBER REINFORCED CONCRETE PANELS
Anon
Prestressed Concr Inst, Chicago, Ill
J Prestressed Concr Inst v 26 n 1 Jan-Feb 1981 p 25-93 Coden: JPCIA ISSN: 0032-793X Refs: 30
Controlled Terms: (*CONCRETE CONSTRUCTION -- *Reinforced Concrete) / GLASS FIBER / (STRUCTURAL PANELS -- Concrete) /
- E-GLASS FIBRE-REINFORCED POLYMER-MODIFIED CEMENT
Bijen, J.
Dep of Mater & Corros Res, Neth
Precast Concr v 11 n 12 Dec 1980 p 551-554, 559-560 Coden: PCCNB ISSN: 0010-5325 Refs: 9
Controlled Terms: (*CEMENT -- *Additives) / (CONCRETE -- Admixtures) / GLASS FIBER / MATHEMATICAL MODELS /
- CRACK CONTROL IN CONCRETE BEAMS BY SURFACE REINFORCEMENT WITH GLASS FIBRES
Raithby, K. D.
TRRL Lab Rep n 947 1980 23 p Coden: TLARD ISSN: 0305-1293 Refs: 16
Controlled Terms: (*BEAMS AND GIRDERS -- *Concrete) / (CONCRETE -- Cracking) / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / GLASS FIBER /
- POLYMER IMPREGNATED LIGHTWEIGHT GRC
West, J. M.; Majumdar, A. J.; De Vekey, R. C.
Build Res Establ, Watford, Hertfordshire, Engl
Composites v 11 n 3 Jul 1980 p 169-174 Coden: CPSOA ISSN: 0010-4361 Refs: 11
Controlled Terms: (*COMPOSITE MATERIALS -- *Mechanical Properties) / CEMENT / GLASS FIBER / POLYMERS / MATERIALS TESTING / (CONCRETE CONSTRUCTION -- Physical Properties) /
Uncontrolled Terms: POLYMER IMPREGNATED GLASS REINFORCED CEMENT
- GLASS FIBER REINFORCED CONCRETE FOR TERRESTRIAL PHOTOVOLTAIC ARRAYS
Maxwell, Hugh
Calif Inst of Technol, JPL, Pasadena
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Controlled Terms: (*SOLAR CELLS -- *Arrays) / PHOTOVOLTAIC CELLS / COMPOSITE MATERIALS / CONCRETE /
- Resin Bonded Glass Fiber Bars as Reinforcement for Concrete Structures
KUNSTARZGEBUNDENE GLASFASERSTABE ALS BEWEHRUNG IM BETONBAU
Rehm Gallus; Franke, Lutz
Univ Stuttgart, Ger
Dtsch Ausschuss Stahlbeton n 304 1979 p 3-18 Coden: DASBB
Controlled Terms: (*CONCRETE REINFORCEMENTS -- *Bond) / (COMPOSITE MATERIALS -- Testing) /
- Workability of Concrete Mixes with Randomly Spaced Glass Fibers
SPRACOVATEL'NOST BETONOVYCH ZMESI S NAHODNE ROZPTYLENYMI SKLENYMI VLAKNAMI
Kornlos, Karol
Stavebnicky Cas v 27 n 6 Jun 1979 p 361-376 Coden: STVCA ISSN: 0039-078X
Controlled Terms: *CONCRETE MIXERS AND MIXING / GLASS FIBER / CONCRETE REINFORCEMENTS /
Uncontrolled Terms: GLASS REINFORCEMENT FIBERS
- GLASS FIBER REINFORCED CONCRETE (GFRC)
Neal, Wallace
Constr Specif Inst, Minneapolis, Minn
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Controlled Terms: (*CONCRETE CONSTRUCTION -- *Reinforced Concrete) / GLASS FIBER / CONCRETE REINFORCEMENTS /
- FLEXURAL STRENGTH OF CONCRETE WITH RANDOMLY ORIENTED GLASS FIBRES
Frondistou-Yannas, S.
MIT, Cambridge, Mass
Mag Concr Res v 29 n 100 Sep 1977 p 142-146 Coden: MCORA Refs: 6
Controlled Terms: (*CONCRETE TESTING -- *Elasticity) /
- EXTRUSION OF GLASS FIBER REINFORCED CONCRETE MORTARS
Zollo, Ronald F.; Campbell, Robert B.
Univ of Miami, Coral Gables, Fla
J Am Concr Inst v 74 n 11 Nov 1977 p 552-555 Coden: JACIA Refs: 6
Controlled Terms: *MORTAR / CONCRETE REINFORCEMENTS / GLASS FIBER / (CONCRETE -- Durability) / EXTRUSION /
Uncontrolled Terms: EXTRUDED GLASS FIBER / FIBER REINFORCED CONCRETE
- GLASS FIBER REINFORCED CONCRETE PRODUCTS-PROPERTIES AND APPLICATIONS
Jones, John; Lutz, Thomas P.
Cem-Fil Corp, Nashville, Tenn
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Controlled Terms: *CONCRETE PRODUCTS / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / GLASS FIBER / STRUCTURAL PANELS /
Uncontrolled Terms: SPRAY UP PROCESS
- GLASS FIBER REINFORCES SELF-SUPPORTING CONCRETE ROOF
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Controlled Terms: (*ROOFS -- *Concrete Shell) / (CONCRETE CONSTRUCTION -- Reinforced Concrete) / CONCRETE REINFORCEMENTS / GLASS FIBER /
- Concrete Reinforced with Glass Fiber
CONCRETO REFORZADO CON FIBRAS DE VIDRIO (CRF)
Majumdar, A. J.; Tallentire, A. G.
Univ of Pa, Philadelphia
Rev IMCVC v 14 n 79 Mar-Apr 1976 p 19-28 Coden: RICVA
Controlled Terms: *CONCRETE REINFORCEMENTS / GLASS FIBER / (CONCRETE CONSTRUCTION -- Reinforced Concrete) /
Uncontrolled Terms: FIBER REINFORCED CONCRETE
- STRUCTURAL BEHAVIOR OF POLYMER-BASED E-GLASS FIBER REINFORCED CONCRETE WHEN EXPOSED TO HIGH-TEMPERATURE, INCENDIARY CONDITIONS
Jones, Herbert L.
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Controlled Terms: (*CONCRETE CONSTRUCTION -- *Plastics Applications) / GLASS FIBER / CONCRETE REINFORCEMENTS / (CONCRETE -- Heat Resistance) /
- Glass Fiber Concrete
GLASFASERBETON
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Beton Herstellung Verwend v 24 n 5 May 1974 p 167-169 Coden: BTONA
Controlled Terms: *CONCRETE / (CONCRETE AGGREGATES -- Glass) / GLASS FIBER /
Uncontrolled Terms: GLASS FIBER CONCRETE
- Glass Fiber Reinforced Concrete
GLASFASERBETON
Meyer, Adolf
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Controlled Terms: *CONCRETE REINFORCEMENTS /
- Experimental Studies of Glass Fiber Reinforced Concrete
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Stavebnicky Cas v 21 n 2 1973 p 131-149 Coden: STVCA In Slovak Refs: 24
Controlled Terms: *CONCRETE REINFORCEMENTS / GLASS FIBER / CONCRETE TESTING /
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Controlled Terms: (*PLASTICS -- *Applications) / (PIPELINES -- Plastics Applications) / (CONCRETE CONSTRUCTION -- Plastics Applications) / (PLASTICS -- REINFORCED -- Glass Fiber) / (CHEMICAL EQUIPMENT -- Corrosion Protection) / PLASTICS -- Protective Coatings) /
Uncontrolled Terms: INSTALLED COST OF PIPING / COATING APPLICATIONS IN POWER INDUSTRY / RECLAIMED CORRODED EQUIPMENT / PLASTIC BUILDING PRODUCT / EIREV