

High-Tech Peculiarities from 2013 Calendar

TECNOCHEM Gennajo | JANUARY | 13

REFORtec®
ICRI 1012-1013-1014

TECNOCHEM Febbraio | FEBRUARY | 13

Life-Cycle Repair SUSTAINABILITY

TECNOCHEM Marzo | MARCH | 13

CONCRETE BULLETIN
PRESERVATION ENGINEERING

TECNOCHEM Aprile | APRIL | 13

REFORtec®

TECNOCHEM Maggio | MAY | 13

ICRI 2012 PROJECT AWARD WINNERS

INTERNATIONAL CONCRETE REPAIR INSTITUTE
Award of Excellence
TECNOCHEM ITALIANA SPA

TECNOCHEM Giugno | JUNE | 13

CTRUH
11th Annual Awards Symposium, Ceremony & Dinner

Best Tall Building Europe 2012 Award

TECNOCHEM Luglio | JULY | 13

HFE-tec®

TECNOCHEM Agosto | AUGUST | 13

CONCRETE BULLETIN
2010 ICRI PROJECT AWARDS

TECNOCHEM Settembre | SEPTEMBER | 13

MuCell®

TECNOCHEM Ottobre | OCTOBER | 13

THE DURABLE AND SUSTAINABLE PAVEMENT

TECNOCHEM Novembre | NOVEMBER | 13

CRYS-tec® PLUS

TECNOCHEM Dicembre | DECEMBER | 13

Technology at service of art and art history

ICRI 2012 PROJECT AWARD WINNERS

INTERNATIONAL CONCRETE REPAIR INSTITUTE
Award of Excellence
TECNOCHEM ITALIANA SPA

High Technology for Very High Concrete Structures

Milano Porta Nuova
First great project LEED® in Italy
Leadership Energy Environmental Design

ICRI 2010 PROJECT AWARD WINNERS

MARALDO MUDROT JET REMEDY

ICRI 2009 PROJECT AWARD WINNERS

ASPHALT GROUT
open to traffic after 24 hours

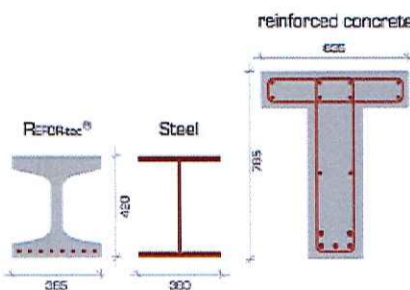
RAPi-tec®
RAPi-tec® asphalt (powder)
RAPi-tec® pm/pw (masses)
RAPi-tec® self injection (grout)

Please consult "newsletter" section
in our web-site www.tecnochem.it

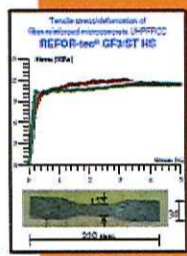
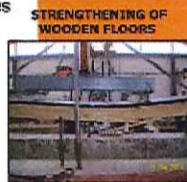
REFOR-tec®
DUCTILE - LIGHT - STRONG

- Special Structures Construction & Repair
- Very High Durability & Sustainability & LEED® Credits
- Structural Strengthening & Seismic Retrofitting - Jacketing of Columns, Beams, Nodes
- Structural Strengthening & Seismic Retrofitting on Concrete, Tile-Cement & Wooden Floors
- Light-weight Structural & Architectural Special Elements - Shapes Engineering
- Fire resistant - Shock resistant - Explosion resistant
- Rigidity and Ductility Modulation

HPFRC High Performance Fiber Reinforced Concretes
UHPFRC Ultra High Performance Fiber Reinforced Cementitious Composites



Via Sarte 2/4 - 24030 Barzana (BG) Italy - Tel. +39 035 554811 - Fax +39 035 554816
info@tecnochem.it - www.tecnochem.it



technology

LUNEDI Monday	MARTEDI Tuesday	MERCOLEDI Wednesday	GIOVEDI Thursday	VENERDI Friday	SABATO Saturday	DOMENICA Sunday
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December | 12

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February | 13

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ICRI 2012 PROJECT AWARD WINNERS

AWARD OF EXCELLENCE: Special Projects Category

SEISMIC RETROFITTING OF FLOORS WITH LOW THICKNESS
UHPFRC MICRO-CONCRETE

Bari, Italy
Submitted by **Tecnochem Italiana S.p.A.**



Owner
ASL BA
Bari, Italy

Project Engineers/
Designers
IRCCS Istituto Tumori
Giovanni Paolo II
Bari, Italy

SGM Ingegneria SRL
Barletta, Italy

Repair Contractor
Salvatore Matarrese S.p.A.
Bari, Italy

Material Supplier/
Manufacturer
Tecnochem Italiana S.p.A.
Bergamo, Italy

The Domenico Cotugno Hospital, constructed in 1930 in Bari, Italy, and located in Seismic Area Class 3, was recently renovated to be the new headquarters of the IRCCS Istituto Tumori Giovanni Paolo II. As a part of the analysis for design of the project, it was determined that the existing structure required seismic strengthening to bring the building into compliance with current codes.

One of the key elements of the seismic strengthening plan was membranic reinforcement of the floors using fiber-reinforced micro-concrete that was bonded to the existing concrete floors. This bond was needed to ensure that horizontal forces from an earthquake are transferred to the new partitions and existing walls.

The membranic reinforcement of the floors was achieved by using specially formulated ultra-high-performance fiber-reinforced cementitious composite (UHPFRC) micro-concrete. The UHPFRC material was formulated to be applied in a layer on reinforced floors.

UHPFRC micro-concrete is a fiber-reinforced, self-consolidating mixture with very high mechanical strength and fracture energy. The three component product consists of a powder component, a liquid additive, and steel and polymer microfibers (0.6 in. [15 mm] long). The product sets in about 1 hour and develops high strength in the early stages so it can be opened to foot traffic after about 14 hours.

The main advantages of this system are minimal application thickness (0.6 to 0.8 in. [15 to 20 mm]), resulting in minimal increased load; adhesion to the substrate without necessity of connectors or resins; no reinforcement mesh required; very high ductility and resistance to cyclic load; increased bearing capacity in terms of bending moment and stiffness with reduced floor deflection; speed of application because of self-leveling material properties; and no construction or contractive joints.

REFOR-tec® GF5/ST-HS
VHDRS® CarFib



**INTERNATIONAL
CONCRETE REPAIR
INSTITUTE**

Award of Excellence
Presented to

TECNOCHEM ITALIANA SPA

in recognition of the
Structural Restoration of "Domenico Cotugno" Hospital in Bari - Italy
**SEISMIC RETROFITTING OF FLOORS WITH LOW THICKNESS
U.H.P.F.R.C.C. MICROCONCRETE**

Recognized for Excellence in the Special Projects Category

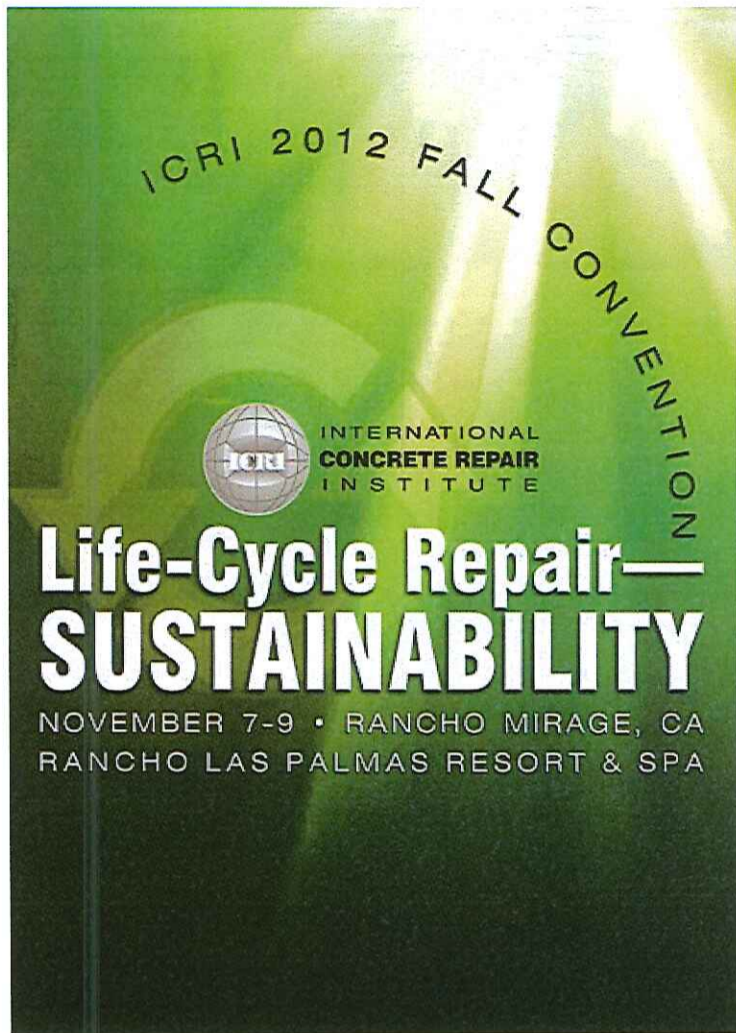
November 8th, 2012



TECNOCHEM IS LEED®

LEED®
Leadership Energy
Environmental Design

TECNOCHEM ITALIANA
is member of
GREEN BUILDING
COUNCIL



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Gennaio | January | 13

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Marzo | March | 13

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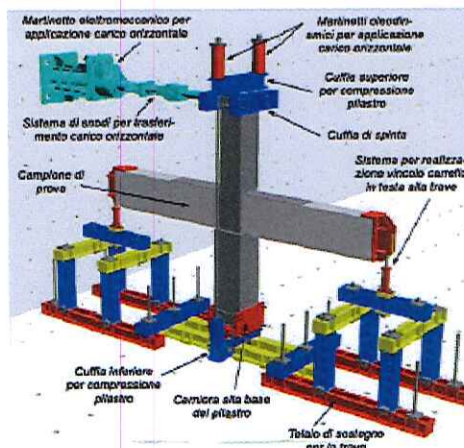
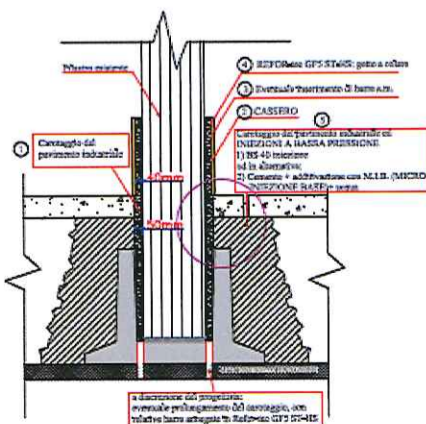
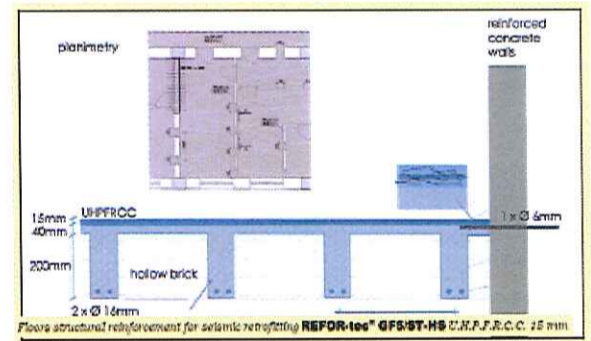
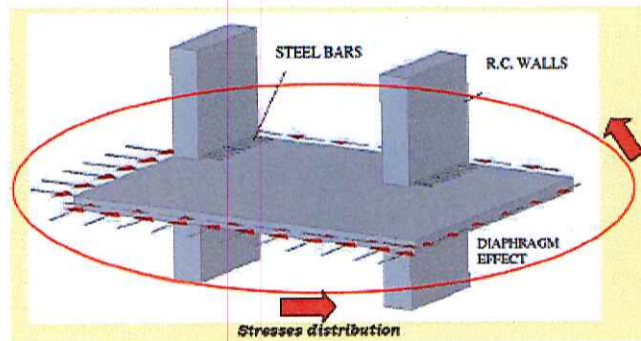
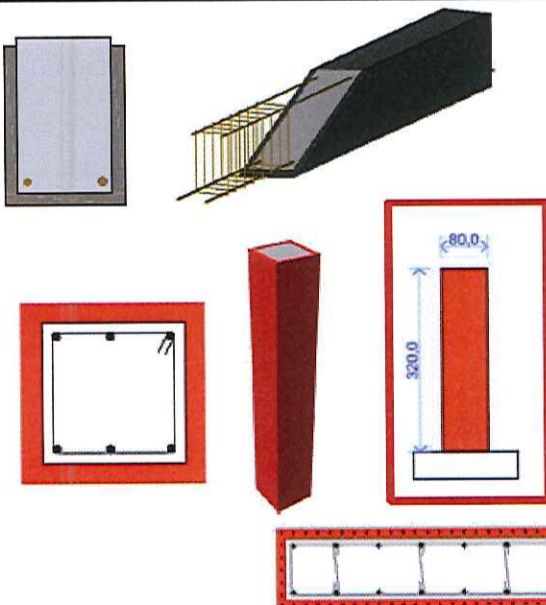
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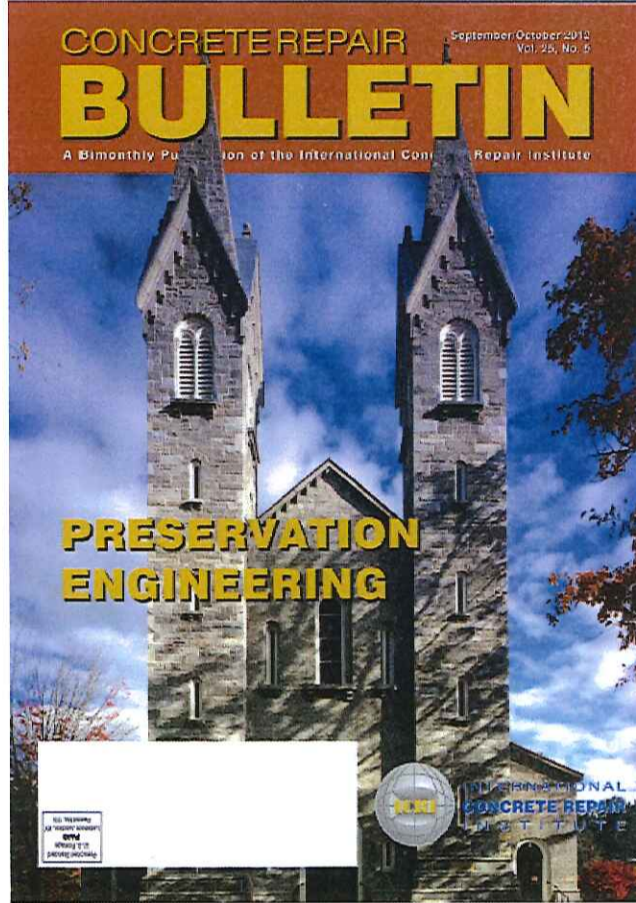
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AWARD OF EXCELLENCE: Special Projects Category
SEISMIC RETROFITTING OF FLOORS WITH LOW THICKNESS UHPFRC MICRO-CONCRETE

Bari, Italy
Submitted by **Tecnochem Italiana S.p.A.**



TECNOCHEM IS LEED®
LEED® Leadership Energy Environmental Design
VIBRO, WOODS, REFOR-tac, HFE-tac, VHD&S, etc.



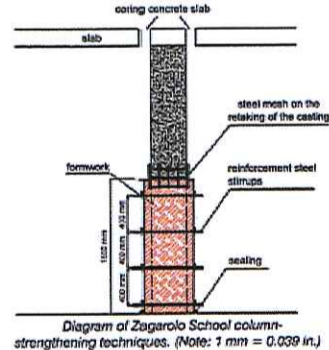
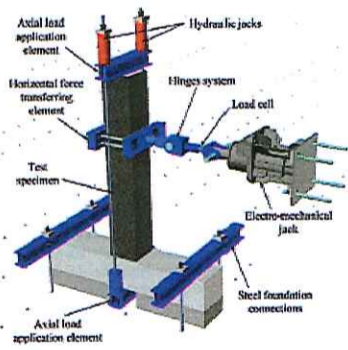
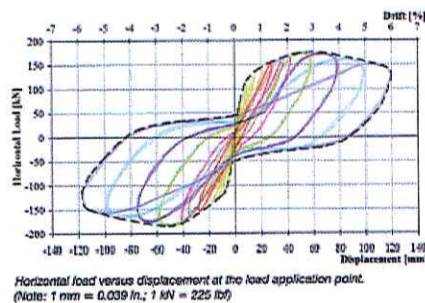
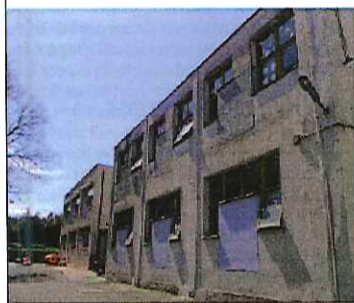
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Febbraio | February | 13

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Aprile | April | 13

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ICRI – International Concrete Repair Institute
Publication on BULLETIN
September/October 2012

Project, Experimentation, Application of REFOR-tec® UHPFRCC – Ultra High Performance Fiber Reinforced Cementitious Composites for Structural Strengthening and Seismic Retrofitting of a School located in Seismic Area – Zagarolo (Rome)

RECENT APPLICATIONS OF GREAT EVIDENCE AND SUCCESS



Ex Manifattura Tabacchi Milano 2012
Structural Strengthening of Columns, Beams, Nodes
30.000 sq.m, 1-5-4 cm jacketing thicknesses, Fire Resistant
UHPFRCC REFOR-tec® systems



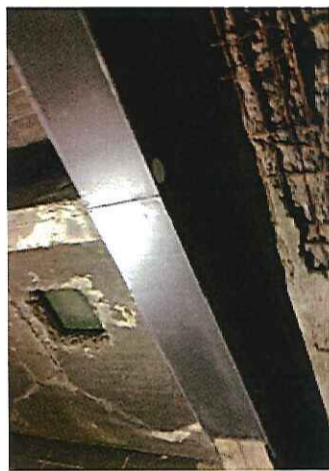
Coppito – L'Aquila 2011
After 2009 seism, civil building classified as max risk (E): Structural Reinforcement and Post Seism Retrofitting
UHPFRCC REFOR-tec® systems



Via S. Tomaso - Milano 2011
Structural Restoration of age 1910 building; 3 cm REFOR-tec® for Structural Strengthening & Stiffness on Wood Floors



Hundreds of Structural and Seismic Applications UHPFRCC REFOR-tec® systems successfully executed from 2005 to 2012



Mnéma Project – Liège (Belgium)
 Building erected in 1930.
 Reinforced concrete Structural Strengthening Project (beams, columns, floors, nodes).
 High Fire Resistance Requested Certification executed in Liège University on 4 m beams 300 KN loaded for more than 120 minutes up to 1.000°C

REFOR-tec®
 Reactive Forces Technologies

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Marzo | March | 13

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Maggio | May | 13

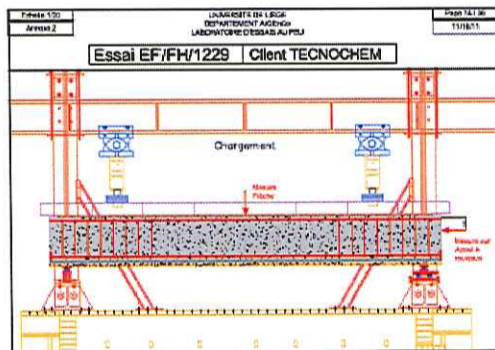
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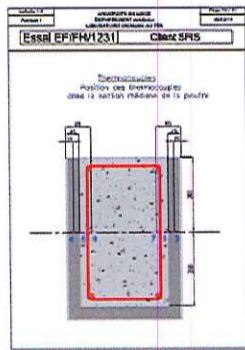
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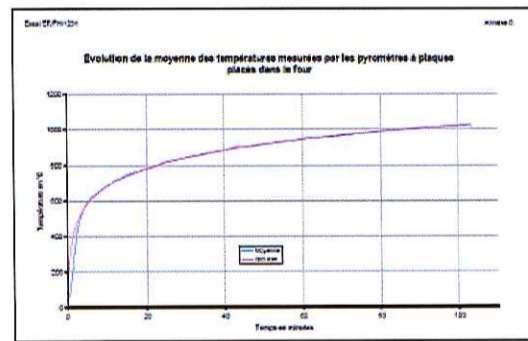
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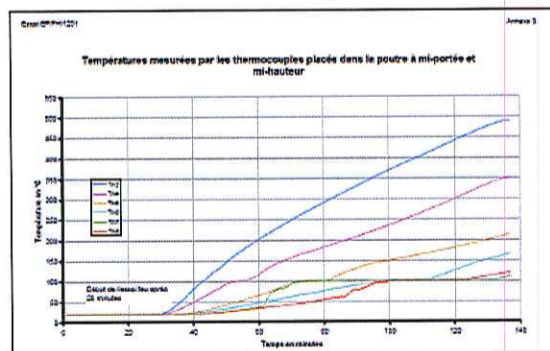
4 m length beam as positioned in the oven



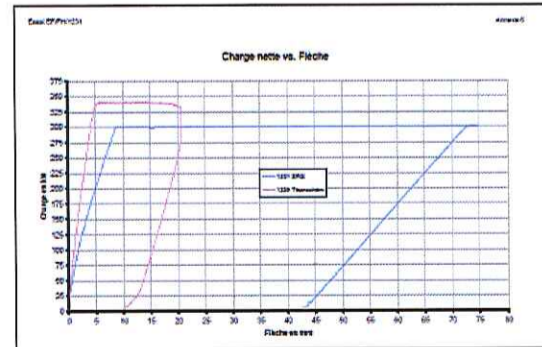
Beam section with REFOR-tec® jacket and thermo-couples position



Temperature evolution in the oven (up to 1.000°C) position



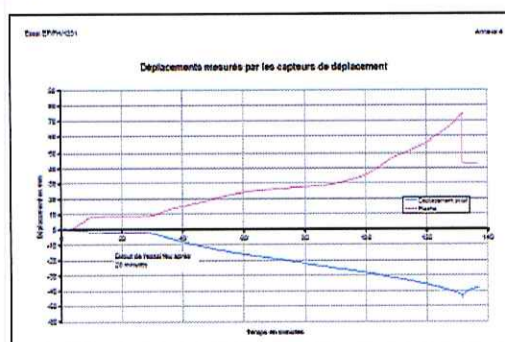
Temperature gradient measured on external and internal thermo-couples



Load on the beam 300 KN versus bending arrow



Liège University Certificate for Mnéma Project: Fire & Structural Resistance on 300 KN/ loaded 4 m beams reinforced with UHPFRC REFOR-tec®, 4 cm thickness jacket



After the 130 minutes fire cycle up to 1.000°C the loaded beam reached 75 mm bending arrow without collapse evidencing high ductility and integral load supporting capacity. After releasing the load, the beam evidenced elastic return and residual arrow of 45 mm with physico-mechanical integrity

technology

THE COMPLETE RANGE OF CONCRETE ADMIXTURES

- Rheoplastic Concrete
- Rheodynamic Concrete
- Self Compacting Concrete
- Waterproofing Concrete
- Photocatalytic Concrete
- Selfcleaning Concrete
- Antiradiation Concrete
- Special "ad hoc" Concretes

TECHNOLOGIES AND SYSTEMS

- Rapid hardening with fast structural functionality
- Anticorrosion
- Antishrinkage
- Ductility
- Super strengths LHPC
- Shear Engineering
- Very high fracture energy polymer fibres
- Physicochemical stability
- Resilience
- Fire resistance
- Self Compacting Concretes
- Sustainability
- Durability
- Ecology
- Economy

TRADE MARKS

- RAPtec®
- MUCtec®
- SHRINKOtec®
- HFEtec®
- REFORtec®
- FB energy®
- STABtec®
- HFEtec® FFE
- STABtec® FFE
- SELFtec®
- VHDR® SYSTEMS

TECNOCHEM
Via Sorte 2/4 - 24030 Bazzano (BG) Italy - Tel. +39 035 554827 - Fax +39 035 554816
info@tecnochem.it - www.tecnochem.it

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Aprile | April | 13

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Maggio | June | 13

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High Technology for Very High Concrete Structures



Milano Porta Nuova Garibaldi - Skyscraper Hines =231 m.
INNOVATIVE CONCRETE TECHNOLOGIES!
Reinforced concrete structure and columns
Projected and realized with self compacting, rheodynamic concrete Rck 85 MPa pumpable up to 160 meters, workability time of 180 minutes, FIRE RESISTANT!

Foundations: Rck 40 MPa self compacting concrete thickness from 3 m to 5,5 m, projected and formulated with very low heat of hydration: max Δt ≤ 25 °C temperature difference between external and center of foundation avoiding thermal shocks



Milano - Porta Nuova Isola
Admixtures and innovative technologies for all types of concrete used: TECNOS® azur - PLASTARD® 18 - SHRINKOtec® nano 4 - MICROBETON® POZ - MICROBETON® POZ/ H - SCC VISCO - INSULATORtec 10 - RAPItec® flooring system



Milano - Porta Nuova Isola "BOSCO VERTICALE"
Admixtures and innovative technologies for all types of concrete used: TECNOS® azur - PLASTARD® 18 - SHRINKOtec® nano 4 - MICROBETON® POZ - MICROBETON® POZ/ H - SCC VISCO - INSULATORtec 10 - RAPItec® flooring system

Milano Porta Nuova

First great project LEED® in Italy
TECNOCHEM IS LEED®
Leadership Energy Environmental Design



Logos for various technologies and systems used in the project, including VHDR, REFORtec, HFEtec, and others.

CTRU
*AWARDS 2012

11th Annual Awards
Symposium, Ceremony
& Dinner

Organized by:
ILLINOIS INSTITUTE
OF TECHNOLOGY

Media Partner:
THE ARCHITECT'S NEWSPAPER

Thursday, October 18th, 2012
Hermann Hall Auditorium & S. R. Crown Hall
Illinois Institute of Technology
Chicago, Illinois

Palazzo Lombardia
Milan, Italy

Earn up to 4.5 hours of
Continuing Education Credits!

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New Palazzo Regione Lombardia – Milano
“BEST TALL BUILDING
EUROPE 2012 AWARD”

Maggio | May | 13

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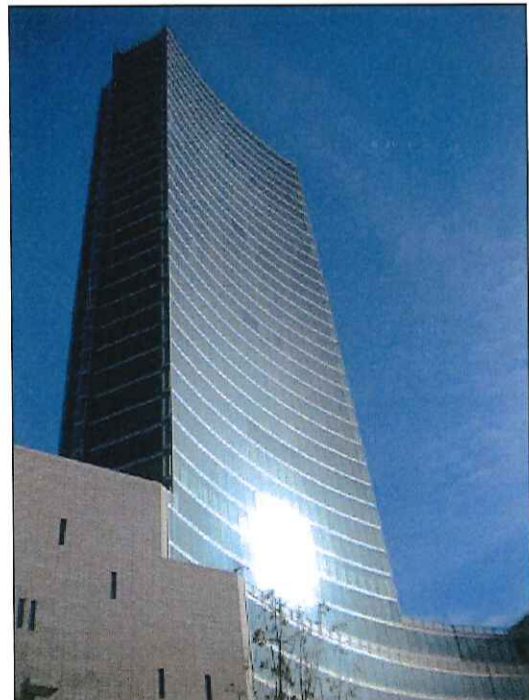
Luglio | July | 13

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New Palazzo della Regione - Milano
Special product STABIL-tec® specially formulated and applied "from Project to Jobsite" on 55.000 sq. m. of floors.
Other Tecnochem products used:
STABIL-tec® / MOD – TECNOEPO 400 – SHRINKO-tec® - TECNOS® azur CB/ER-MICROBETON® POZ – CEMEX RT.



“Best Tall Building Europe” AWARD 2012
Illinois Institute of Technology, Chicago - U.S.A.
Recognized for “New Palazzo della Regione – Milano”
“High Technologies for Very High Structures”

HFE - tec®

- the high fracture energy for the structural integrity of constructions
- absorption of dynamic stresses with high deformation energy without collapse
- the design of structures ductility, ductile slabs
- seismic adjustment structural projects
- ECC - Engineered Cementitious Composites
- HPECCMFC - High Performance Engineered Cementitious Composites Multiple Fine Cracks

beat the cracks with High Fracture Energy!

TECNOCHEM ITALIANA S.p.A. **TECNO ECO LOGICHEM**

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Giugno | June | 13

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Agosto | August | 13

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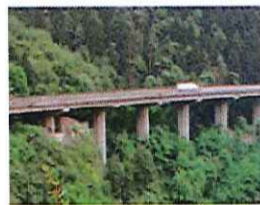
ICRI 2010 PROJECT AWARD WINNERS

AWARD OF MERIT: Transportation Category

SAN MAURIZIO VIADUCT JOINT REPAIR

Near Bolzano, Italy

Submitted by **Tecnochem Italiana S.p.A.**



Owner
Autostrada Del Brennero SpA
Trento, Italy

Project Engineers/ Designers
Autostrada Del Brennero SpA
Trento, Italy

Repair Contractor
Bilfinger Berger
Instandsetzung GMBH
Bressanone, Italy

Material Supplier/ Manufacturer
Tecnochem Italiana S.p.A.
Bergamo, Italy

The San Maurizio Viaduct, located on Highway A22 in northern Italy, was built in the 1960s and underwent repairs from 2006 to 2009. The main reason for repair was the continual failure of mechanical expansion joints between adjacent multiple-span bridge decks. The new solution to the problem of leaking expansion joints was the development of continuous bridge decks. This continuity was achieved by removing the expansion joints and replacing a portion of two adjacent decks with sections of reinforced ductile concrete.

In the case of the San Maurizio Viaduct, the designers suggested substituting 80% of the mechanical joints using continuous low-stiffness ductile slabs. The adjacent bridge decks had been connected over four to six spans to a length of 590.5 ft (180 m). The link slabs needed the following properties: a high-deformation capacity under cyclic loading, a low Young's Modulus, high strength, and high resistance to fatigue. Ductile cement-based materials are able to absorb big deformation-generating, well-distributed small cracks without crack localization. This large strain capacity is over 100 times that of normal concrete. The ductile high-fracture energy concrete was then poured directly from the concrete mixer truck.

Reinforced ductile high-fracture energy concrete met all of the requirements that were essential for the link-slab application, as it has high strain capacity under tension and compression regime while forming small, closely spaced microcracks. It also allowed for the deformation under thermal loads, along with the creation of a partially uninterrupted deck to protect the underlying superstructure and substructure. Finally, the advantages were not just related to the lower repair cost. When considering lifecycle costs, the link slabs became not only feasible, but also advantageous. This was the first time that ductile link slabs had been used in Europe.



Old joint demolition



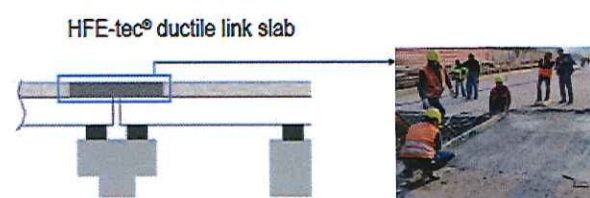
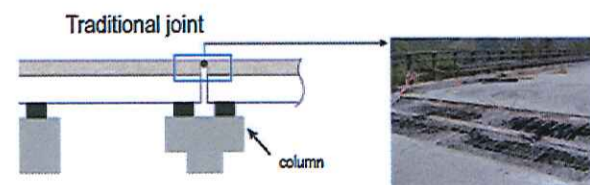
Steel reinforcing

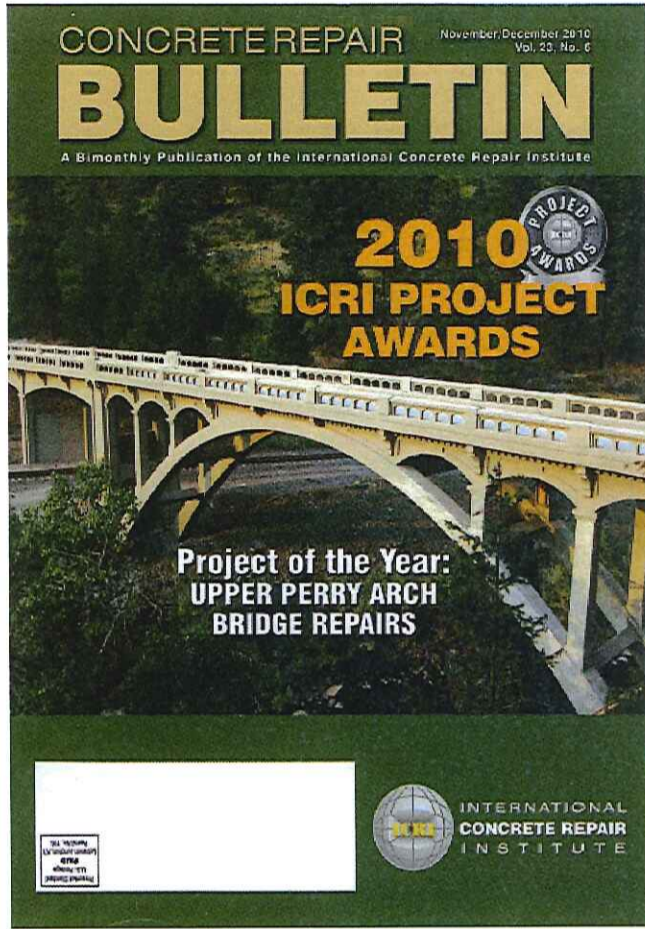


HFE-tec® concrete casting



Levelling





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Luglio | July | 13

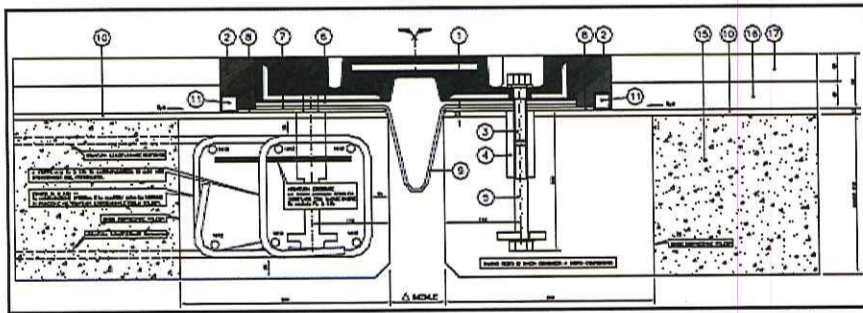
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Settembre | September | 13

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Traditional joints



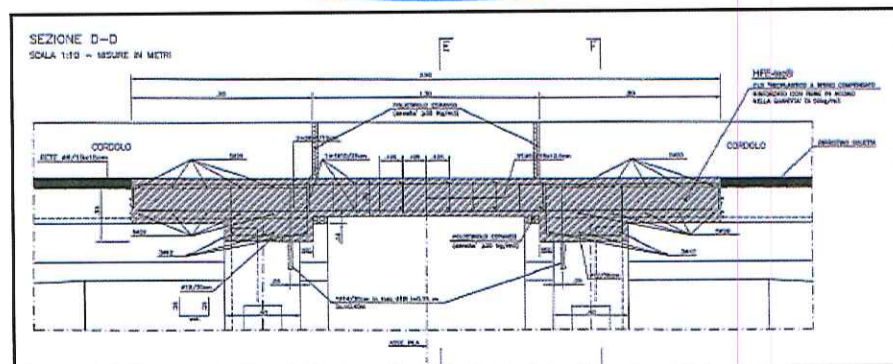
HFE-tec® concrete casting



Numerical modelling

Substituted with:

Ductile link slabs



HFE-tec®
High Fracture Energy Technologies



The New Generation of CORROSION INHIBITORS WITH MULTIPLE SYNERGIC EFFECT

technology

The newest generation of corrosion inhibitors with multiple synergic effect, for the corrosion inhibition of the steel reinforcement in concrete.

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ACTIVES ARE MIXED INTO REINFORCED CONCRETE

Actions to be used in NATIONAL Mix Design for durable concrete:

- MuCis® ad 18 L
- MuCis® ad 19 L
- MuCis® ad 20 P
- MuCis® ad 20 Tonus®
- MuCis® ad 22 comp

ANTI-CORROSION REPAIRS

Representing industry only a few of the products used for the repair of reinforced concrete:

- MuCis® PROTEZIONE FERRO
- DF 2029 - 25 MuCis®
- DF 20 MuCis®
- DF 20 18 L MuCis®
- DF 20 19 L MuCis®

For the complete range please consult WCRS®

ANTI-CORROSION PROTECTION AND PREVENTION

For anticorrosion impregnation:

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- MuCis® mix 200
- MuCis® mix 201

To be used both in new concrete and on repaired concrete for the anticorrosion protection and coating of existing:

- ANTICORR® and MuCis® (type)
- ANTICORR® (in MuCis® type)

without MuCis® with MuCis®

At 140X blowup of a picture detail showing the perfectly protected reinforcement in concrete treated with MuCis® anticorrosion system

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Agosto | August | 13

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Ottobre | October | 13

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ICRI 2009 PROJECT AWARD WINNERS

AWARD OF EXCELLENCE: Longevity Category
STRUCTURAL REHABILITATION OF A CHLORIDE-CONTAMINATED CONCRETE SILO
 Lagoa, the Azore Islands
 Submitted by STAP, SA



A slipformed reinforced concrete silo for grain and foodstuffs was built in 1980 and rehabilitated in 1999 in the Azores Islands. Due to design and construction deficiencies, the structure showed significant degradation. Faced with the low durability of the piecemeal repairs carried out to cope with concrete spalling due to corrosion, the owner decided to adopt a thorough approach, which began with an accurate diagnosis, to support a suitable strategy for the full rehabilitation of the structure.

Owner
 Soc. Acoreana DeSaboos, SA

Project Engineer/ Designer
 GRID
 Portugal

Repair Contractor
 STAP, SA
 Lisbon, Portugal

Material Supplier/ Manufacturer
 Tecnochem Italiana, S.p.A.
 Barzana, Bergamo, Italy

A detailed inspection involving nondestructive testing was conducted. The concrete was found to have high chloride content due to the exposure to marine environment. Several possible intervention strategies were made available to the owner (which included demolishing the existing silo and constructing a new one). The selected rehabilitation strategy involved the repair of anodic zones using sprayed concrete, application of migrating corrosion inhibitors, and total external protection through a coating against carbonation and chloride penetration. A quality plan was implemented during the repair work, including control of supplies and repair processes, and inspection and testing during the work and on the final product. A monitoring system was designed and installed to assess the post-repair behavior of the silo, consisting of a number of sensors embedded in the silo walls. According to data obtained up to the present, the rehabilitated silo is performing fairly well. This case study shows the importance of close cooperation between owner, designer, and contractor, and following the proper methodology when dealing with structural rehabilitation projects.

MuCis® Anticorrosion Technologies have been projected and applied for the Structural Rehabilitation. Embedded sensors measuring conductivity and corrosion current in μA . After 10 years from the applications are evidencing almost no corrosion activity on the steel bars.



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application
services
quality, guarantee, certifications
innovation sustainability

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CONCRETE PAVEMENTS Maintenance - Repair
UNDERFLOORS, SCREEDS
ASPHALT-CEMENTITIOUS PAVEMENTS
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DECORATIVE FLOORS
OTHERS

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technology

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Settembre | September | 13

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Novembre | November | 13

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with very high mechanical strengths
volumetric stability
for asphalt-cementitious pavements



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October | 13

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December | 13

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la VASCA BIANCA

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ISOTANK quality waterproof durability

- Determination of the Mix Design according to the specified project requirements based on the admixtures and technology of Tecnochem Italiana
- Pre-qualification in the ready-mix plant
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ISOTANK Injectable joints

- Elements for the crack positioning
- Elements for the concrete construction joints
- Manifolds for passing tubes injected after by special poly-acrylic formulations, hydro expansive and anti-corrosion

ISOTANK Flex Tape

For joints subjected to strong movements and waterpressure
For the sealing of cracks and assured waterproofing.

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TECNO-INJECT PU:
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WAM 101

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CRYS-teco[®] ADMIXTURE
Multifunctional admixture for waterproofing with reactive crystallization

CRYS-teco[®]
Admixtures and systems for durable and intrinsically waterproofing structures in reinforced concrete

PLUS JOINT PLUS
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WAM 101
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[reactive impregnating agent]
CRYS-teco[®] PWD
[hydraulic cementitious formulation for waterproofing with reactive crystallization]

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Products, technologies and services for the monumental restoration

Technology at service of art and art history

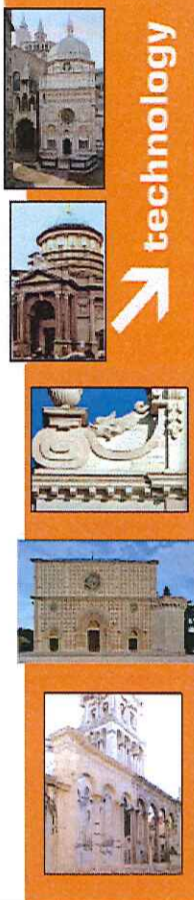
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The service as company knowledge

Long top-level experience

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Novembre | November | 13

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Gennaio | January | 14

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Pula (Croatia) Roman Arena (IInd - IVth century after Christ). Restoration started in the year 2007, continuing.
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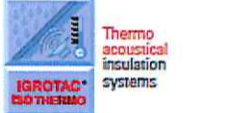



PER COSTRUZIONI DURABILI E SOSTENIBILI

Progettare con le più avanzate ed innovative tecnologie nel rispetto delle Nuove Norme Tecniche per le Costruzioni D.M. 14 Gennaio 2008 e delle **NORMATIVE E DIRETTIVE ATTUALI ED UFFICIALI**:
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FROM PROJECT TO JOBSITE

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 Very High Durability Repair & Prevention Systems	TECNOLOGIE PER LA PROTEZIONE, RIPARAZIONE E RINFORZO DEL CALCESTRUZZO ARMATO	TECNOLOGIES FOR THE PROTECTION, REPAIR AND REINFORCEMENT OF REINFORCED CONCRETE	 Advanced Pavement Systems A.P.S. Engineering	TECNOLOGIE PER LA COSTRUZIONE E LA RIPARAZIONE DI PAVIMENTI IN CALCESTRUZZO	TECNOLOGIES FOR THE REPAIR AND CONSTRUCTION OF CONCRETE PAVEMENTS
 Multiple Corrosion Inhibiting Synergies	SINERGIE MULTIPLE PER L'INIBIZIONE DELLA CORROSIONE NEI CLS ARMATI	MULTIPLE SYNERGIES FOR THE CORROSION INHIBITION IN REINFORCED CONCRETES	 Waterproofing dehumidification and wetproofing systems	- TECNOLOGIE PER L'IMPERMEABILIZZAZIONE DI STRUTTURE INTERRATE - IMPERMEABILIZZAZIONE DI TERRAZZI-BALCONI - RISANAMENTO DELLE MURATURE	- TECNOLOGIES FOR THE WATERPROOFING OF UNDERGROUND STRUCTURES - WATERPROOFING OF TERRACES AND BALCONIES - RENEWAL OF MASONRIES
 REFOR-tec Reactive Forces Technologies	TECNOLOGIE PER MICROCALCESTRUZZI AD ELEVATISSIMA RESISTENZA, DUTTILITÀ, DEFORMABILITÀ	TECNOLOGIES FOR MICROCONCRETES WITH VERY HIGH MECHANICAL STRENGTHS, DUCTILITY AND DEFORMABILITY	 Thermo acoustical insulation systems	TECNOLOGIE E PRODOTTI PER SISTEMI COSTRUTTIVI AD ELEVATISSIMA EFFICIENZA ENERGETICA	TECNOLOGIES AND PRODUCTS FOR CONSTRUCTION SYSTEMS WITH VERY HIGH ENERGETIC EFFICIENCY
 HFE-tec High Fracture Energy Technologies	TECNOLOGIE PER MICROCALCESTRUZZI AD ELEVATISSIMA DUTTILITÀ E BASSO MODULO ELASTICO	TECNOLOGIES FOR MICROCONCRETES WITH VERY HIGH DUCTILITY AND LOW ELASTICITY MODULUS	 Products, technologies and services for the monumental restoration	TECNOLOGIA AL SERVIZIO DELL'ARTE E DELLA STORIA DELL'ARTE	TECHNOLOGY AT SERVICE OF ART AND ART HISTORY
			 GOLDEN GROUP gli specialisti in edilizia Aller Innovationen, Spezialitäten	LINEA DI PRODOTTI DEDICATA AD APPLICATORI SPECIALISTI NEL RESTAURO, RISANAMENTO, FINITURE, IMPERMEABILIZZAZIONE	RANGE OF PRODUCTS DEDICATED TO SPECIALIZED APPLICATORS IN REPAIR, RESTORATION, FINISHING, WATERPROOFING

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