

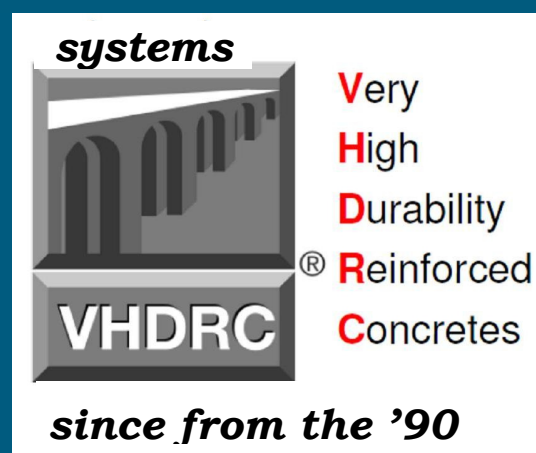
News TECHNOLOGY

SUPERCONCRETES - innovation



- Porta Nuova in Milan
 - “Hines” Skyscraper - h= 231 m
 - “Ex Varesine” Skyscraper
 - “Isola” Skyscraper
- Structures in Reinf. Concrete - Rck 85 MPa
- Foundations in Reinf. Concrete - thickness up to 5,5 m , very low heat of hydration
- LEED® - Leadership Energy Environmental Design

SYSTEMS



Realized with Innovative Admixtures and Technologies
by **TECNOCHEM ITALIANA** for all the Concretes

Tecnos® azur CB/ER especially formulated :

Polycarboxylated product with Very High Super-Plasticizer and Rheodynamic Performances at Very Low Water/Cement Ratio.

PLASTARD® 18 :

Fluidizer and Integral Retarder of the Hydration Process.

SHRINKO-tec® nano 4 :

Product for the Nanometric Reduction of the Hygrometric and Autogenous Shrinkage of Concretes.

MICROBETON® POZ :

Additive based on Condensed Micro-Silica with Very High Pozzolanic Reactivity .

MICROBETON® POZ/H :

Mineral powder admixture based on Active Silicas and Micronized Silicates with Very High Pozzolanic and Rheodynamic Reactivity.

SCC VISCO :

Viscosizing and Stabilizing Additive for Self-Compacting Concretes.

RAPI-tec® Flooring System :

Shrinkage free Micro-Concrete with very fast hardening : Foot Traffic after 1 hour, Full Traffic after 5 hours.

INSULATOR-tec 10 :

Thermal Protective Joint for Reinforced Concretes.

“Porta Nuova Garibaldi” in Milan “HINES Skyscraper”

TECNOCHEM ITALIANA SPA **TEGNO ECO**
LOGICHEM

General Contractor:
Colombo Costruzioni Spa

Architectural Design:
Pelli Architects

Executive Design :
Adamson Associates
Tekne Spa

Structural Design :
MSC Associati Srl



technology



MILAN
“PORTA NUOVA GARIBALDI”
HINES SKYSCRAPER
height = 231 meters

Innovative Admixtures and
Technologies for all Concretes
by **TECNOCHEM ITALIANA**
in cooperation with **ENCO srl**

TECNOS® azur
PLASTARD® 18
SHRINKO-tec® nano 4
MICROBETON® POZ
MICROBETON® POZ/ H
SCC VISCO
INSULATOR-tec 10
RAPI-tec® flooring system
Concretes Producer **Holcim srl**

INNOVATIVE TECHNOLOGIES !

STRUCTURES - PILLARS:
projected with self-compacting
RcK 85 MPa, rheodynamic,
super-plasticizer pumpable up to 160
meters, with workability maintenance
up to 180 minutes , fire resistant

FOUNDATION :
with thicknesses from 3 meters up to
5,5 meters, autocompattante concrete
RcK 40 MPa, with very low heat of
hydration, projected and monitored for
 $\Delta t \leq 25^{\circ}\text{C}$ between the core and the
casting surface also in winter season.

First Great Project LEED® in Italy
TECNOCHEM IS LEED®
Leadership Energy Environmental Design

TECNOCHEM ITALIANA SPA- Via Sorte 2/4 - 24030 Barzana (BG) Italy -Tel. 035 554811 - Fax 035 554816
info@tecnochem.it- www.tecnochem.it

“Porta Nuova Varesine” in Milan “EX VARESINE Skyscraper”

ENCO
LABORATORIO AUTORIZZATO del Ministero dei Lavori Pubblici per prove relative a L.1089/71 (D.M. 5409 del 07/11/2006)
ENTE RICONOSCIUTO dal ministero delle Istruzione, dell'Università e della Ricerca (n. 4 - Legge 287/99)
ENTE QUALIFICATO da ITALFER - SIF TAV e CAIET e CEPAY OHIO

IN COLLABORAZIONE CON

Holcim **TECNOCHEM ITALIANA SPA**

COVAR **cmb UNIECO**

PORTA NUOVA VARESINE



technology



MILAN
“PORTA NUOVA VARESINE”

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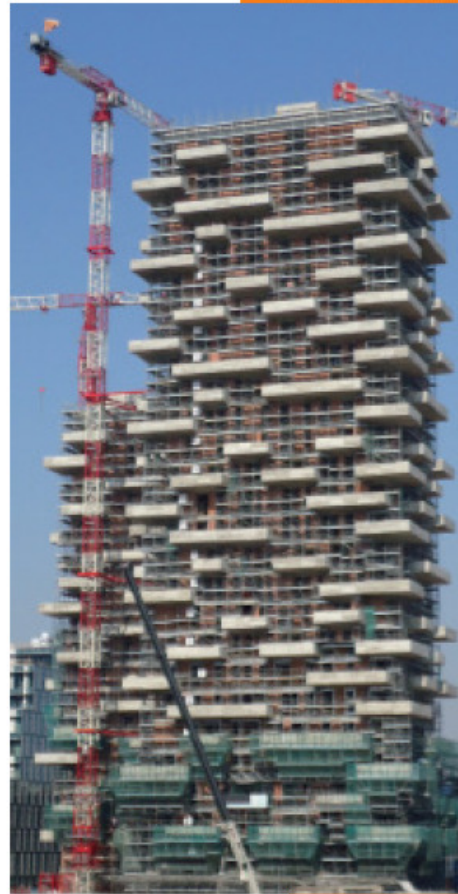
“Porta Nuova Isola” in Milan “Bosco Verticale”

TECNOCHEM ITALIANA SPA **TECNO ECO**
LOGICHEM

General Contractor:
Zimmerhofer s.r.l.

Architectural Design :
Boeri Studio

Executive Design :
TEKNE SpA



technology
↑

MILAN
“PORTA NUOVA ISOLA -
BOSCO VERTICALE”

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Request for information or project assistance :

U.A.P.P. – TECNOCHEM Engineering Office - e-mail : uapp@tecnochem.it

Pls consult our web-site
www.tecnochem.it