



ADMIXTURES AND SYSTEMS FOR CONCRETE TECHNOLOGY

draco-edilizia.com

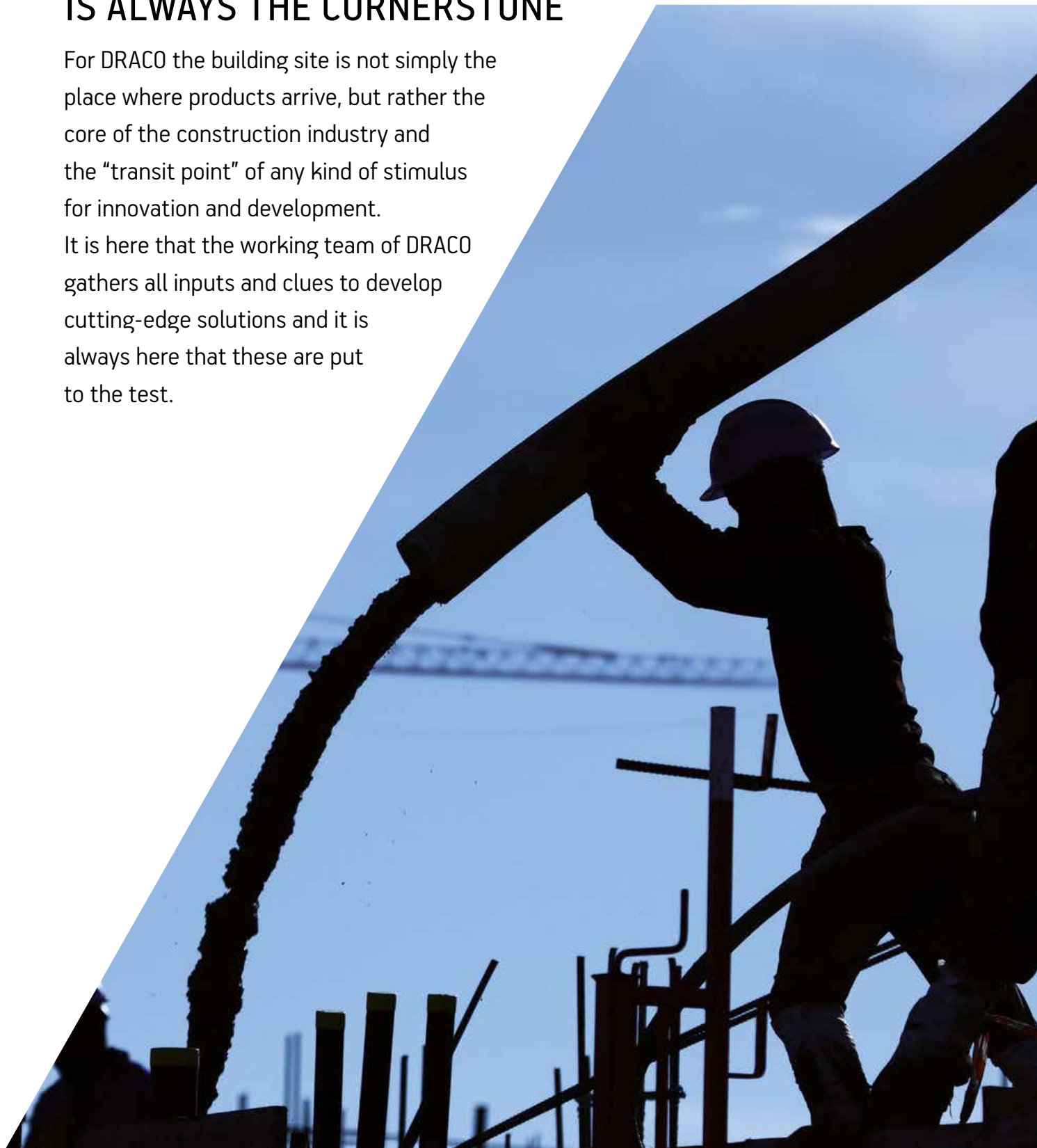


DRACO: QUALITY AND INNOVATION FOR THE BUILDING INDUSTRY

FOR US THE BUILDING SITE IS ALWAYS THE CORNERSTONE

For DRACO the building site is not simply the place where products arrive, but rather the core of the construction industry and the “transit point” of any kind of stimulus for innovation and development.

It is here that the working team of DRACO gathers all inputs and clues to develop cutting-edge solutions and it is always here that these are put to the test.



THE COMPANY

PROFESSIONAL TRADITION

BUILT OVER TIME



In over 30 years devoted to professional training and practice on the building site, DRACO has established an outstanding tradition based on values to draw with both hands from, to offer excellence in the field of technological solutions for the building site and for constructions at large.

The DRACO range of products provides many solutions but has one single goal in mind: the achievement of top-quality levels in the building site thanks to excellent performances of materials. All products are designed to express the performances in the building site conditions and to get them to last over time.

DRACO means assistance and advice from the first design to the final execution of the work. DRACO, thanks to its flexible customer-oriented structure, can provide not only top-quality products but also a service that really makes a difference.

Its personnel, thanks to a continuous training programme, is therefore able to support the customer in choosing the most suitable solution to improve the work in the building site.

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ADMIXTURES AND SYSTEMS FOR PRE-CAST AND READY-MIX CONCRETE

The DRACO systems for pre-cast units and ready-mix concrete have been developed on the basis of over 30 years' experience alongside operators manufacturing and using concrete. Only a real and thorough understanding of the problems and restrictions associated with the design and preparation of concrete can lead to the formulation of a modern line of admixtures capable of creating tangible value for our customers. The DRACO range of products provides many solutions but has one single goal in mind: quality and performance assurance.

We develop solutions to easier achieve total quality in the building site. Our products are designed to express the performances in the building site conditions and to make them last over time. DRACO means assistance and advice in the both design and construction.

SPECIAL SYSTEMS FOR INNOVATIVE CONCRETES

We provide not only individual products, but also integrated systems that really make a difference. DRACO guides its customers step-by-step, providing excellent technology and outstanding solutions to implement special high-performance concrete systems that may improve the products and on-site work as well.

Some of our innovative solutions:

■ DRACO SELF-COMPACTING CONCRETE SYSTEM

Trouble-free self-compacting concrete

The Self Compacting Concrete takes origin from the delicate harmony between its components and an appropriate admixture technology. Thanks to the DRACO experience and technology, the customers may enter a new era of high-performance concrete.

■ DRACO WATERPROOF CONCRETE SYSTEM

A mix of additives and technologies for waterproof and long-lasting concretes

The DRACO experience in the field of waterproof concretes has deep-reaching roots. The DRACO technology and know-how help our customers to create a modern mass waterproofing system for concrete.

■ DRACO STRUCTURAL LIGHTWEIGHT CONCRETE SYSTEM

The structural lightweight concrete

It is now possible to combine superior mechanical performance with reduced bulk volume. The DRACO SLC system permits you to create lightweight, high-resistance conglomerates, thus setting new limits for innovation in the field of precasting and concrete structures.





BGT SpA Dorelan, Forlì
Addition to concrete for the construction of pre-cast units with DRACRIL KINETIC.

SUPERPLASTICIZERS FOR PRECAST CONCRETE

The precasting industry was the protagonist of the Italian economic boom in which it had the central role of supplying rapid-execution building envelopes at an affordable price for the rising Italian manufacturing industry. Since then things changed totally with the establishment of the modern precasting industry, where design, durability and antiseismic effectiveness mingle together, thanks to the technological progress in production and development of materials. Among these, very important was certainly the **concrete technology** with the coming of **new systems of preparation, application and curing**. The admixture technology involves any aspect of the precasting industry and must be capable of providing the correct balance between the many factors entailed to assure the performance required for any specific need.

POLYCARBOXYLATE SUPERPLASTICIZERS

DRACRIL 1000



HIGH-PERFORMANCE POLYCARBOXYLATE SUPERPLASTICIZER FOR THE PRECASTING INDUSTRY

DRACRIL 1000 is an admixture developed to create concretes featured by very low water-cement ratios and by accelerated resistance to brief curing. DRACRIL 1000 is ideal for preparing concretes that are durable and with excellent cohesion.

CONSUMPTION: approx. 0.5 ÷ 1.2 kg per 100 kg of cement

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



Bulk



POLYCARBOXYLATE SUPERPLASTICIZERS

DRACRIL 1000 R



HIGH-PERFORMANCE POLYCARBOXYLATE SUPERPLASTICIZER FOR THE PRECASTING INDUSTRY

Specific for hot climates

DRACRIL 1000 R is an admixture developed to create concretes featured by very low water-cement ratios and by accelerated resistance to brief curing. DRACRIL 1000 R is ideal for preparing concretes that are durable, with excellent cohesion and featured by good workability over time even in hot climates.

CONSUMPTION: approx. 0.5 ÷ 1.2 kg per 100 kg of cement

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



Bulk



DRACRIL 1500**HIGH-YIELD POLYCARBOXYLATE SUPERPLASTICIZER FOR THE PRECASTING INDUSTRY**

DRACRIL 1500 is an admixture developed to create concretes featured by very low water-cement ratios and by accelerated resistance to brief curing. DRACRIL 1500 is ideal for preparing concretes that are durable and with excellent cohesion. It can be used for preparing self-compacting concretes SCC in combination with the rheology modifier VISCOCONTROL®.

CONSUMPTION: approx. 0.5 ÷ 1.2 kg per 100 kg of cement

PACKAGING

20 kg Can



200 kg Drum



1000 kg IBC



Bulk

**SUPERPLASTICIZERS FOR RHEODYNAMIC CONCRETE****DRACRIL KINETIC****SECOND-GENERATION POLYCARBOXYLATE SUPERPLASTICIZER FOR RHEODYNAMIC CONCRETE**

DRACRIL KINETIC is an admixture developed to create concretes with very low water-cement ratios and ultra-rapid stripping of formwork even without accelerated curing. DRACRIL KINETIC is ideal for preparing concretes that are durable and with excellent rheodynamic behaviour.

CONSUMPTION: approx. 0.5 ÷ 1.2 kg per 100 kg of cement

PACKAGING

20 kg Can



200 kg Drum



1000 kg IBC



Bulk

**MULTI-DOSE SUPERPLASTICIZERS****FLUIBETON 102****MULTI-DOSE SUPERPLASTICIZER FOR CONCRETE WITH A LOW W/C RATIO SPECIFIC FOR PRECASTING**

FLUIBETON 102 is a multi-dose superplasticizer specially formulated for producing concretes with a low water-cement ratio. Thanks to its "variable dosage" feature, it is possible to modulate the dispersing effect of the product on the cement particles, to easily obtain the desired workability over time even in case of discontinuous granulometric curves.

CONSUMPTION: approx. 1 ÷ 2 kg per 100 kg of cement

PACKAGING

25 kg Can



230 kg Drum

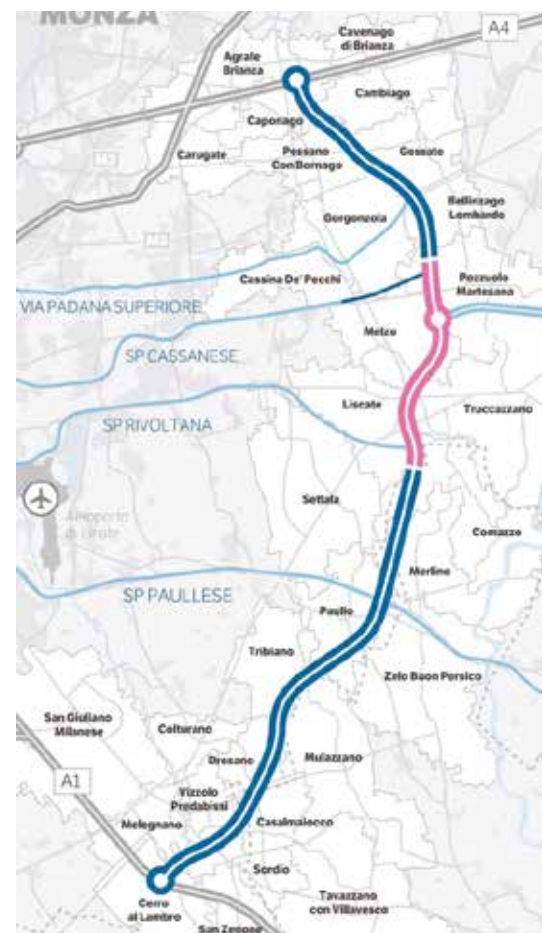


1000 kg IBC



Bulk





T.E.E.M. East Milan Ring Road, Milan

Addition of the ready-mix concrete used for the construction of infrastructure works with DRACRIL 605 and AERBETON.

SUPERPLASTICIZERS FOR READY-MIX CONCRETE

The ready-mix concrete industry is now at its full maturity. The reduction in the number of plants and volumes led to great competitive tension between operators, together with an increase in the average transport distance. This new market profile, combined with increasingly binding regulations and with customers demanding more and more products with a high level of application performance and durability, provided new challenges for the mix design process. In this context it is necessary to rely on a chemical technology supplier that is capable of meeting the most varied requirements with products that are always decisive and effective, i.e. not just a simple "supplier" but a high value-added partner capable of increasing the overall value of its mixtures.

The new generation of DRACRIL superplasticizers guarantees outstanding results in water reduction, together with excellent management of strength development, good workability and cohesion over time.

SUPERPLASTICIZERS WITH ASC (ABSOLUTE SLUMP CONTROL)
TECHNOLOGY FOR HOT CLIMATES AND LONG DISTANCES

DRACRIL XTIME



SECOND-GENERATION POLYCARBOXYLATE SUPERPLASTICIZER FOR LOW W/C RATIO CONCRETES

With ASC technology

DRACRIL XTIME is an admixture particularly indicated for producing ready-mix concretes in hot climates, where it is necessary to reach maximum control of Slump Loss. DRACRIL XTIME allows the preparation of very high-performance concretes with extremely low water-cement ratio and excellent rheological and cohesion features, even in the most fluid consistency classes.

CONSUMPTION: approx. $0.5 \div 1.2$ kg per 100 kg of cement

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



Bulk



HIGH-PERFORMANCE POLYCARBOXYLATE SUPERPLASTICIZERS

DRACRIL 605



HIGH-PERFORMANCE POLYCARBOXYLATE SUPERPLASTICIZER FOR READY-MIX CONCRETES WITH A LOW W/C RATIO

DRACRIL 605 is an admixture particularly suitable for the production of ready-mix concretes characterized by a low water-cement ratio, high mechanical strength with both short and long curing and good workability over time.

CONSUMPTION: approx. $0.6 \div 1.5$ kg per 100 kg of cement

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



Bulk



DRACRIL 605 R



HIGH PERFORMANCE POLYCARBOXYLATE SUPERPLASTICIZER FOR READY-MIX CONCRETES WITH A LOW W/C RATIO

Specific for hot climates

DRACRIL 605 R is an admixture particularly suitable for the production even in hot climates of ready-mix concretes characterized by a low water-cement ratio, high mechanical strength with both short and long curing and good workability over time.

CONSUMPTION: approx. $0.6 \div 1.5$ kg per 100 kg of cement

PACKAGING



HIGH-YIELD, SECOND GENERATION POLYCARBOXYLATE SUPERPLASTICIZERS

DRACRIL 1100



SECOND-GENERATION POLYCARBOXYLATE SUPERPLASTICIZER FOR LOW W/C RATIO READY-MIX CONCRETES

DRACRIL 1100 is an admixture particularly suitable for the production of ready-mix concretes characterized by a low water-cement ratio, high mechanical strength with both short and long curing and good workability over time.

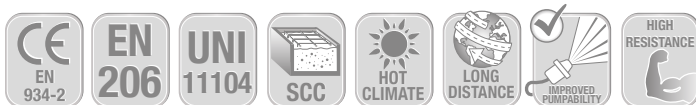
CONSUMPTION: approx. $0.5 \div 1.2$ kg per 100 kg of cement

PACKAGING



HIGH-YIELD, SECOND GENERATION POLYCARBOXYLATE SUPERPLASTICIZERS

DRACRIL 1100 R



SECOND-GENERATION POLYCARBOXYLATE SUPERPLASTICIZER FOR LOW W/C RATIO READY-MIX CONCRETES

Specific for hot climates

DRACRIL 1100 R is an admixture suitable for the production even in hot climates of ready-mix concretes characterized by a low water-cement ratio, high mechanical strength with both short and long curing and good workability over time.

CONSUMPTION: approx. $0.5 \div 1.2$ kg per 100 kg of cement

PACKAGING



SECOND-GENERATION POLYCARBOXYLATE SUPERPLASTICIZER FOR LOW W/C RATIO READY-MIX CONCRETES





Messina-Palermo Highway

Concrete preparation for viaduct piers with superplasticizer FLUIBETON 982

MULTIFUNCTIONAL SUPERPLASTICIZERS

FLUIBETON broke the world record for concrete pumping in height. Today its superior performance and reliability is available to all concrete manufacturers every day.

The specific formulation of superplasticizers of the FLUIBETON family is based on a technology that has become established over years of use in the most varied conditions, reaching today the peak in terms of reliability.

NAPHTHALENE SUPERPLASTICIZERS FOR CONCRETE

FLUIBETON 933



FLOW-ENHANCING ADMIXTURE FOR CONCRETE WITH A LOW W/C RATIO AND PROLONGED WORKABILITY

Specific for very hot climates

FLUIBETON 933 is a superplasticizer for ready-mix concrete for use in hot climates. FLUIBETON 933 is ideal for use in the production of all types of concrete, where work and/or climate requirements call for a long delay in setting times and an excellent workability over time.

CONSUMPTION: approx. 0.8 ÷ 1.5 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk



NAPHTHALENE SUPERPLASTICIZERS FOR CONCRETE

FLUIBETON 937



SUPERPLASTICIZER FOR CONCRETE WITH A LOW W/C RATIO AND VERY LONG WORKABILITY

Specific for hot climates

FLUIBETON 937 is a superplasticizer for ready-mix concrete for use in hot climates. FLUIBETON 937 is ideal for use in the production of all types of concrete, where work and/or climate requirements call for a medium delay in setting times and a good workability over time.

CONSUMPTION: approx. 0.8 ÷ 1.5 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk



NAPHTHALENE SUPERPLASTICIZERS FOR CONCRETE

FLUIBETON 950



SUPERPLASTICIZER FOR CONCRETE WITH A LOW W/C RATIO

Ideal for temperate climates

FLUIBETON 950 is a superplasticizer particularly indicated for the production of any type of concrete, whatever their use. Its features make it possible to obtain concretes with excellent durability, even with significant reductions in the mix water content.

CONSUMPTION: approx. 0.8 ÷ 1.5 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk



NAPHTHALENE SUPERPLASTICIZERS FOR CONCRETE

FLUIBETON 982



SUPERPLASTICIZER FOR CONCRETE WITH A LOW W/C RATIO

Ideal for cold climates

FLUIBETON 982 is a superplasticizer ideal for the production of all types of concrete prepared throughout the winter period, especially where a rapid strength development in short and medium curing is required. It is well-suited to application in pre-cast units in reinforced concrete and pre-stressed reinforced concrete.

CONSUMPTION: approx. 0.8 ÷ 1.5 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk





Riva Shipyard - Ferretti Group, Sarnico (BG)

Execution of industrial flooring thickness 5 cm with the "DRACO BASSO SPESSORE SYSTEM".

SPECIFIC ADMIXTURES FOR HIGH-PERFORMANCE CONCRETES

In the early nineteenth century reinforced concrete structures were considered indestructible, almost eternal, but today we may just look around to notice that the truth is totally different.

The degradation phenomena, due to maintenance failure, unfavourable environmental conditions or exposure, incorrect design or installation faults, lead to a reduction in the functional capacity of the structures well before reaching the 'useful life' forecast of the design phase. A correct design of the mixture is therefore fundamental as well as mandatory according to the regulations in force. Even the "strict" regulations on concrete with guaranteed performance may sometimes not provide enough precautions in situations where the conditions of environmental aggression or the need for durability are particularly high. In these situations, specific additives turned out to be useful to achieve very high durability levels.

SUPERPLASTICIZERS AND FLOWABLE FILL ADMIXTURES WITH HIGH POZZOLANIC EFFECT

FLUIBETON HP



SUPERPLASTICIZER IN POWDER WITH HIGH POZZOLANIC EFFECT FOR DURABLE CONCRETES

FLUIBETON HP is a superplasticizer in powder to be used for highly durable concretes also resistant to environmental aggression. It is used to obtain concretes with compact microstructure, reduced porosity and permeability, and with high durability. FLUIBETON HP enhances the pumpability features and the exposed surface finish of concrete.

CONSUMPTION: approx. 6 ÷ 10 kg per 100 kg of cement

PACKAGING



12 kg Bag on 720 kg Pallet



SUPERPLASTICIZERS AND FLOWABLE FILL ADMIXTURES WITH HIGH POZZOLANIC EFFECT

FILLCRETE



MICROSILICA OR SILICA FUME

FILLCRETE is a product indicated for executing concrete structures exposed to the chemical aggression of the natural environment, as it performs a very strong pozzolanic action. FILLCRETE is particularly indicated to carry out: reinforced or pre-stressed concrete structures, exposed to the natural environment's chemical aggression; concretes with very high mechanical strength, reduced porosity and improved frost resistance.

CONSUMPTION: approx. 5 ÷ 15 kg per 100 kg of cement

PACKAGING



20 kg Bag on 1,000 kg Pallet



DRACOSTEEL DCI**LIQUID ORGANIC AND INORGANIC CORROSION INHIBITOR**

DRACOSTEEL DCI is a liquid corrosion inhibitor capable of providing protection against corrosion by chlorides for reinforced concrete, pre-stressed reinforced concrete and cement conglomerates in general.

DRACOSTEEL DCI is based on a technology that combines organic and inorganic protection mechanisms to obtain maximum effectiveness in the protection of rebars even when concrete is prepared in very aggressive environments where it is subject to corrosion, such as marine environments or in shoreline areas.

CONSUMPTION: $0.8 \div 4 \text{ kg/m}^3$ depending on the degree of aggression by chlorides

PACKAGING

20 kg Pail



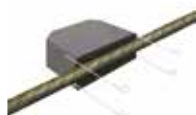
200 kg Drum



1000 kg IBC

**DRACOSHIELD****PURE ZINC ANODES FOR THE GALVANIC CATHODIC PROTECTION OF REINFORCEMENT BARS AGAINST CORROSION**

DRACOSHIELD contains high-quality zinc and is specifically designed to prevent reinforcement bars corrosion in concrete structures, both new and existing, such as viaducts, bridges, pre-cast and pre-stressed reinforced concrete structures, balcony linings, etc. The main function of galvanic anodes is to contrast the "anodic corrosion" that commonly occurs in reinforcement bars especially if exposed to aggressive environments, in order to increase the durability of buildings and structures. The DRACOSHIELD anodes generate a slight but effective current that stops the corrosive process, effectively protecting the bars from corrosion. DRACOSHIELD is available in 3 versions: 38 - 100 - 200 g of pure zinc.

PACKAGING

DRACOSHIELD 38 - 20 units per box
DRACOSHIELD 100 / 200 - 10 units per box

**EXPAN 25****EXPANSIVE AGENT FOR SHRINKAGE-COMPENSATING CONCRETE**

EXPAN 25 is a non-metal expansive additive used to compensate the shrinkage of normal, reinforced or pre-stressed concretes used in civil structures, hydraulic works, structural restoration, precasting, etc. EXPAN 25 is suitable for preparing concretes for low thickness floorings (DRACO BASSO SPESSORE system).

CONSUMPTION: approx. $6 \div 10 \text{ kg}$ per 100 kg of cement

PACKAGING

20 kg Bag on 1200 kg Pallet



EXPANSIVE AND SHRINK-PROOF AGENTS

FLUIBETON AR



INTERNAL CURING ADDITIVE FOR REDUCING HYDRAULIC SHRINKAGE AND CURLING

FLUIBETON AR is a shrinkage-compensated curing additive for concrete. It contains no expansive agents, yet it acts on the primary mechanism at the base of shrinkage phenomena, by practically controlling the evaporation of mix water from the inside (internal curing). FLUIBETON AR is used to reduce shrinkage and curling in castings on exposed surfaces, thin sections and jointless flooring.

CONSUMPTION: approx. $1 \div 2$ kg per 100 kg of cement

PACKAGING



10 - 20 kg Can



200 kg Drum



1000 kg IBC



Bulk



RHEOLOGY AND VISCOSITY MODIFYING ADMIXTURES

VISCOCONTROL



VISCOSITY MODIFIER FOR SELF-COMPACTING CONCRETE

VISCOCONTROL is a liquid rheology modifier that can increase the viscosity of the concrete matrix. VISCOCONTROL is used in the production of any cement conglomerate where an increase in mix cohesion is required. In particular it is ideal for preparing self-compacting concretes (SCC) in combination with the second-generation superplasticizers DRACRIL.

CONSUMPTION: approx. $1 \div 2$ kg per 100 kg of cement

PACKAGING



20 kg Can



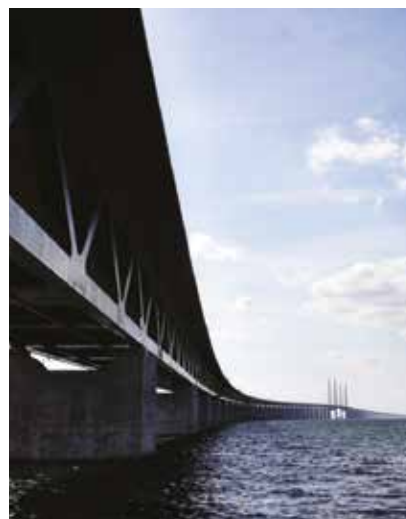
200 kg Drum



1000 kg IBC

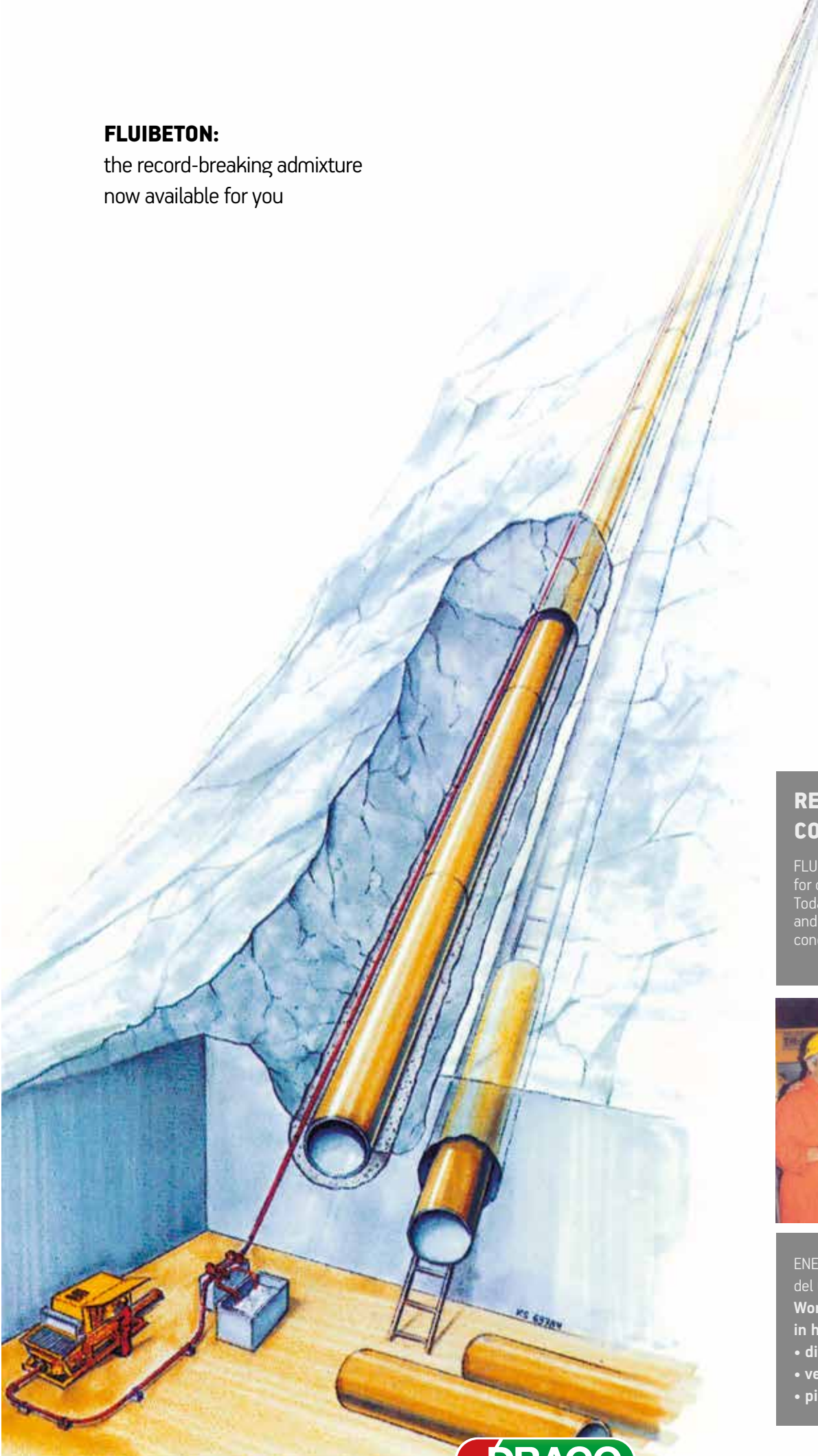


Bulk



FLUIBETON:

the record-breaking admixture
now available for you



RECORD-BREAKING CONCRETE

FLUIBETON broke the world record for concrete pumping in height. Today its superior performance and reliability is available to all concrete manufacturers every day.



ENEL S.p.A. - Hydroelectric plant Riva del Garda (TN)

World record for concrete pumping in height:

- difference in height 532 m
- vertical altitude 607 m above s.l.
- piping length 790 m





Palaghiaccio Pranives, Ice stadium, Selva di Val Gardena
Preparation of concrete for flooring slab with FLUIPA V 501 and ARTIC OCF.

ADMIXTURES FOR CONCRETE IN HOT AND COLD CLIMATES

The DRACO range of plasticizers is natively suitable to adapt to the various climatic conditions and to the variability of concrete mixing, transport and laying conditions. Each one of our admixtures is available in **different versions** provided with a **different degree of accelerating capacity** or workability over time to be **effective in each temperature range**. Yet sometimes the conditions are so extreme or binding that a specific extra addition is required. The DRACO admixtures for the various climatic conditions are the ideal solution to govern cold and hot weather conditions, by regaining control of concrete and work.

SPECIFIC RETARDANTS FOR HOT CLIMATES

POLIRETARD HC



SETTING TIME RETARDER CONCRETE ADMIXTURE

Ideal for pourings in high-temperature conditions

POLIRETARD HC is a retardant plasticizer for concrete, specific for long-distance transport. It prevents cold joints in large massive castings. POLI RETARD HC is specially formulated for preparing concretes, where setting start times must be regulated and retarded, thus reducing and controlling the development of cement hydration heat.

CONSUMPTION: approx. 200 ÷ 400 g per 100 kg of cement

PACKAGING



10 - 25 kg Can



230 kg Drum



1000 kg IBC



Bulk



SETTING ACCELERATORS FOR COLD CLIMATES

ARTIC OCF



ANTI-FREEZE ADMIXTURE FOR ACCELERATING SETTING AND HARDENING TIMES

ARTIC OCF is a plasticizer that accelerates setting and hardening times. It also has an anti-freeze effect and can be used in all types of concrete. ARTIC OCF is particularly suitable for preparing concrete in cold climates thanks to its plasticizing effect.

CONSUMPTION: approx. 1 ÷ 4 kg per 100 kg of cement

PACKAGING



5-10-25 kg Can



250 kg Drum



1000 kg IBC



Bulk



SETTING ACCELERATORS FOR COLD CLIMATES

RAPIDCRETE



SETTING ACCELERATOR FOR CONCRETE AND CELLULAR CONCRETE

RAPIDCRETE is a setting accelerator ideal for the preparation of non-reinforced concrete where rapid formwork stripping is required. RAPIDCRETE is also used in lightweight concrete conglomerates (cellular, polystyrene, clay, etc.) particularly in cold climates.

CONSUMPTION: approx. 1 ÷ 2.5 kg per 100 kg of cement

PACKAGING



5-10-25 kg Can



250 kg Drum



1000 kg IBC



Bulk





Airport of Forlì
Casting of airport runway made with FLUIPAV 501R.

ADMIXTURES FOR CONCRETE FLOORING

Concrete industrial flooring has specific needs and specific problems.

Empirical evidence shows that the quality of concrete is a fundamental factor in the overall quality of concrete industrial flooring. That is why we have developed a line of products built around the needs of those who work in the complicated sector of concrete flooring.

The development has focused on achieving the highest levels of performance as regards **trowelability times and slump loss**; the superior **rheological properties** achieved further improve the quality of the mix and hence of the flooring. Because quality can go hand in hand with productivity.

SPECIFIC PLASTICIZERS FOR CONCRETE INDUSTRIAL FLOORING

FLUIPAV 501



SPECIFIC SUPERPLASTICIZER FOR CONCRETE INDUSTRIAL FLOORING

FLUIPAV 501 is a plasticizer specifically formulated for concrete flooring. The product development focused on increased productivity by managing setting times, pumpability and mix cohesion, to achieve top quality standards in terms of floor laying.

CONSUMPTION: approx. 1 ÷ 1.6 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk



SPECIFIC SUPERPLASTICIZER FOR CONCRETE INDUSTRIAL FLOORING

FLUIPAV 501 R



SPECIFIC SUPERPLASTICIZER FOR INDUSTRIAL CONCRETE FLOORING

Ideal for cold climates

FLUIPAV 501 R is a specifically formulated plasticizer for concrete floors created from DRACO's extensive experience in concrete industrial flooring. The product development focused on good workability over time thanks to the ASC (Absolute Slump Control) technology and on managing setting times.

CONSUMPTION: approx. 1 ÷ 1.6 kg per 100 kg of cement

PACKAGING



25 kg Can



230 kg Drum



1000 kg IBC



Bulk



BASSO SPESSORE SYSTEM FOR CONCRETE INDUSTRIAL FLOORING

TECHNOLOGY AND KNOW-HOW FOR LOW-THICKNESS CONCRETE FLOORING

Frequently, the design of floors for special uses or in particular conditions requires the use of low-thickness screeds that will also provide high-performance as regards physical and mechanical strength.

However traditional technologies are unable to create concrete flooring without forming serious flaws.

MAIN USES

- Slabs in multi-storey car parks.
- Cover slabs for driveways.
- Reinforcement of existing flooring destined to high stress.

BENEFITS

Thanks to the higher density of the matrix, the system provides toughness and flexural strength that are more than double that of ordinary guaranteed-performance concrete. This means:

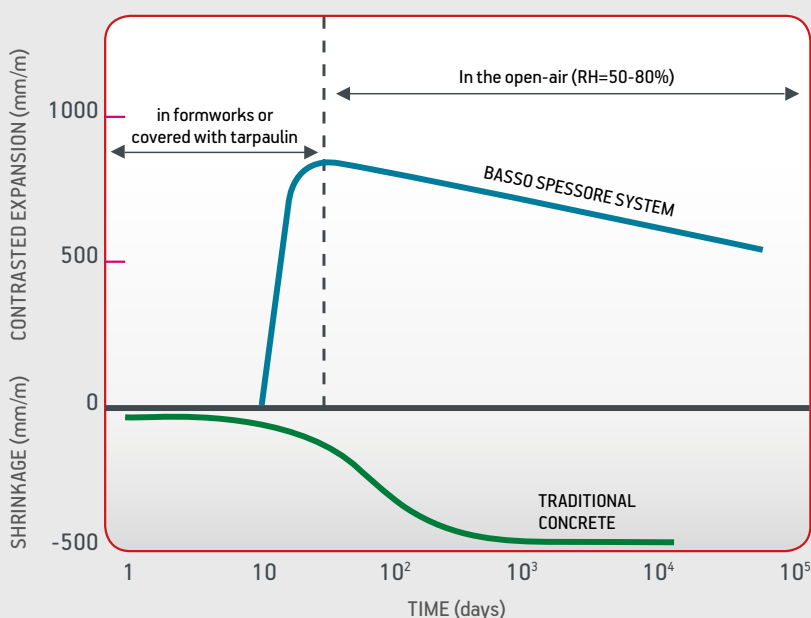
- Increased resistance to static and dynamic loads at the same weight.
- Less plastic shrinkage and thermal and moisture shrinkage.
- Less creep.
- Less risk of cracking.
- Lower curling effect.
- Considerable increase in the construction's life span.
- Rapid drying and opening to regular traffic.

LOWER THICKNESS, EXCEPTIONAL QUALITY

Concrete flooring requires a minimum thickness of the slab to avoid effects such as cracking and curling.

Thanks to a specific mix of additives, fibres and admixtures, the DRACO BASSO SPESSORE system assures durability of the slab even with thicknesses up to 8 cm.

With over 200,000 m² of flooring made with our low-thickness system, DRACO is able to provide you with the proper technology and know-how to carry out high-quality low-thickness concrete flooring.



- The DRACO BASSO SPESSORE system controls shrinkage during the plastic phase and during water evaporation, thus reducing common defects caused by shrinkage, which would normally be greater when laying such low thicknesses.





Flat complex Le Betulle, Moltrasio, Como

Casting of foundation concrete waterproofed with mass waterproofing plasticizer FLUIBETON HP.

ADMIXTURES FOR WATERPROOFING AND UNDERWATER CONCRETE POURING

Water is naturally present in concrete, but the two elements do not always coexist in harmony. With the adoption of suitable admixture technology, this harmony can be recovered to ensure performance over time.

HYDROBETON's continuous **reactivation crystallization technology** guarantees the highest level of durability and hydraulic seal for concrete, while VISCOCONTROL makes underwater castings no longer a problem.

WATERPROOFING ADMIXTURE FOR INTEGRAL WATERPROOFING OF CONCRETE

HYDROBETON



INTEGRAL WATERPROOFING ADMIXTURE FOR CONCRETE WITH CRYSTALLIZING EFFECT

HYDROBETON is a powder admixture for waterproofing concrete. During blending of the mix, HYDROBETON exerts a triple action due to the reduction of the W/C ratio, the interposition of nanoparticles that have both a crystallizing and sealant effect that reduces the porosity of the cement mix, and the entraining of a system of micro-bubbles that give the aggregate high impermeability and improved resistance to the freeze-thaw cycles.

CONSUMPTION: $1.5 \div 2.5$ kg per 100 kg of cement

PACKAGING



12 kg Bag on 600 kg Pallet



20 kg Pail



WATER-REPELLENT AGENTS FOR MASS WATERPROOFING OF CONCRETE

HYDROBETON L



LIQUID WATERPROOFING ADMIXTURE FOR CONCRETE

HYDROBETON is a chloride-free liquid admixture specially formulated for waterproofing cement conglomerates. In the mixing phase HYDROBETON L, thanks to its special water-reducing and air-entraining components, performs a double action due to the reduction of the W/C ratio and to the incorporation of a system of micro air bubbles suitably spaced to interrupt the ducts providing to the cement conglomerate high impermeability, improved resistance to the freeze-thaw cycles and "durability". HYDROBETON L is ideal for structural casting of pools, tunnels, tanks, and in humid areas or areas subjected to water pressure.

CONSUMPTION: approx. $1.5 \div 2.5$ kg per 100 kg of cement

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



ADMIXTURES FOR UNDERWATER CASTING

VISCOBETON



ANTI-WASHOUT ADMIXTURE FOR UNDERWATER CONCRETE CASTING

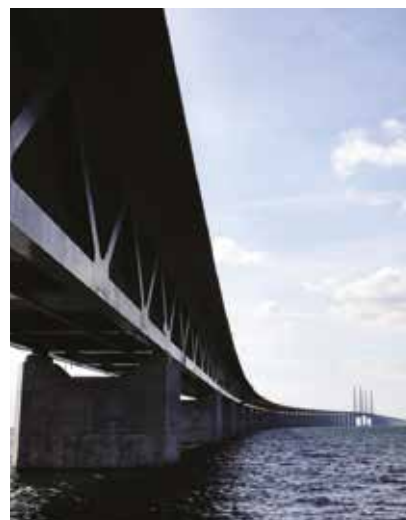
VISCOBETON is an anti-washout powder admixture for underwater concrete casting. VISCOBETON makes it possible to prepare concretes that resist washing out and segregation phenomena for concrete casting in free or moving water. VISCOBETON ensures excellent pumpability.

CONSUMPTION: approx. $0.5 \div 1$ kg per 100 kg of cement

PACKAGING



10 kg Bag on 600 kg pallet





Hospital G.B. Morgagni - L. Pierantoni, Forlì

Preparation of insulating cellular cement conglomerates with eco-friendly foaming agent CELLOCRETE.

AIR-ENTRAINING FOAMING AGENTS FOR LIGHTWEIGHT AND CELLULAR CONCRETES

The introduction of micro-bubbles of air in the mass of concrete can bring multiple benefits in various applications. Thanks to the DRACO technology, you can easily adjust this element in your mix design, thus increasing workability, durability and reducing bleeding and sensitivity to the freeze-thaw cycles.

The highest result in the use of the microaeration technology is the **DRACO STRUCTURAL LIGHTWEIGHT CONCRETE (SLC)**, through which it is finally possible to combine mechanical performance with reduced volume mass. The **DRACO SLC** system permits you to create lightweight, high-resistance conglomerates, thus setting new limits for innovation in the field of precasting and concrete structures.

So rely on the eco-friendly foam agent CELLOCRETE for the preparation of lightweight cellular conglomerates.

AIR-ENTRAINING ADMIXTURES FOR CONCRETE

AERBETON



AIR-ENTRAINING ADMIXTURE FOR CONCRETE THAT IS HIGH-DURABILITY AND ANTI-FREEZE

Improves mix pumpability

AERBETON is a microaerating admixture for concrete which is resistant to the freeze-thaw cycles. It increases durability, improves appearance and workability, reduces segregation, water bleeding and permeability. The plasticizing action of AERBETON is useful when crushed aggregates or sand poor in fine fractions are used, and however in all concretes where the mix is lean.

CONSUMPTION: approx. 50 ÷ 150 g per 100 kg of cement

PACKAGING



5-10-20 kg Can



200 kg Drum



1000 kg IBC



ADMIXTURES FOR LIGHTWEIGHT CONCRETE

BETONLIGHT



PLASTICIZER FOR LIGHTWEIGHT OR CELLULAR CONCRETE OR CONCRETE LIGHTENED WITH VIRTUAL OR COMPOSITE AGGREGATES

BETONLIGHT is a specific superplasticizer for the production of lightweight concretes, being also structural, self-levelling, non-segregable, with low W/C ratio, with stable volume, prepared with any type of lightweight aggregate (expanded clay, pumice, polystyrene, vermiculite, etc...) without segregation of components. Ideal for producing lightweight pre-cast units.

CONSUMPTION: approx. 1.2 ÷ 2 kg per 100 kg of cement

PACKAGING



5-10-20 kg Can



200 kg Drum



1000 kg IBC



FOAMING AGENTS FOR LIGHTWEIGHT CELLULAR CEMENT CONGLOMERATES

CELLOCRETE



SYNTHETIC FOAMING AGENT FOR THE PRODUCTION OF LIGHTWEIGHT INSULATING CONCRETE

CELLOCRETE is an admixture for preparing lightweight cellular cement conglomerates (C.C.L.) used for the thermal insulation of roofs and floor slabs, thermally insulated substrates of civil and industrial flooring, acoustic insulation, insulating filling for underground tanks, filling of tunnels, caves and reclamation of wetlands.

CONSUMPTION: see data sheet

PACKAGING



20 kg Can



200 kg Drum



1000 kg IBC



Bulk





OroGel, Pievesestina, Forlì

Execution of concrete industrial flooring with the addition of FLUIPAV 501 and fibre-reinforced with FIBERFLEX S.

FIBRES FOR THE REINFORCEMENT OF CONCRETE

The addition of fibres is a well-established solution for improving concrete. The correct choice of fibre and the dosage in which it is added to concrete brings many tangible benefits and expands the technical and design potential of the conglomerate, hence of the work it will be included in. **Toughness, ductility, anti-shrinkage properties** are just some of the mechanical parameters of the conglomerate in which the use of reinforcement fibres can bring benefits. A major innovation is our FIBERFLEX S, a **PET-based synthetic structural fibre specifically designed for the secondary structural reinforcement of concrete**. The 3D cross-shaped profile guarantees **maximum adhesion to the concrete matrix, thus improving the ductility and flexural and tensile resistance of the cement conglomerate**. FIBERFLEX S is ideal for strengthening concrete industrial flooring, as it guarantees superior mechanical performance without altering the workability and pumpability of the mix, but also in the shotcrete, where it allows a high increase in mechanical performance without scrap increase or projectability decrease.

STRUCTURAL FIBRES FOR CONCRETE

FIBERMIX



HIGH-STRENGTH STEEL STRUCTURAL FIBRES FOR CONCRETE REINFORCEMENT

FIBERMIX are structural fibres used as secondary reinforcement of highly stressed structures, providing to concrete high characteristics of ductility and mechanical resistance to shocks. The special hooked shape of the fibre ensures strong anchoring to the concrete matrix.

CONSUMPTION: $30 \div 70 \text{ kg/m}^3$ of concrete

SIZES: Type 30/60 (L 30 mm Ø 0.6 mm)

Type 30/80 (L 30 mm Ø 0.8 mm)

PACKAGING



20 kg Box



STRUCTURAL FIBRES FOR CONCRETE

FIBERCROM



HIGH-STRENGTH, FLEXIBLE STAINLESS STEEL CHROME FIBRES FOR CONCRETE AND MORTAR

FIBERCROM are stainless metal fibres featured by exceptional flexibility, high mechanical and corrosion resistance and a remarkable specific surface that improves the adhesion and anchoring to the concrete matrix. The flexibility of the fibres and the elongated shape of the reduced section enables quick and easy application and provides mortars and concretes with high-ductility and -impact resistance.

CONSUMPTION: $4 \div 10 \text{ kg/m}^3$ of concrete

SIZE: L 30 mm thickness 29 microns

PACKAGING



10 kg Bag



STRUCTURAL FIBRES FOR CONCRETE

FIBERMIX FLOW



HIGH-STRENGTH STEEL FIBRES FOR STRUCTURAL AND NON-STRUCTURAL REINFORCEMENT OF CONCRETE AND MORTARS

FIBERMIX FLOW is a steel fibre for structural and non-structural reinforcement of concretes and mortars under high stress that provides high ductility and mechanical resistance to impacts. The special contoured shape of the fibre facilitates mix pumping and guarantees strong anchoring to the concrete matrix.

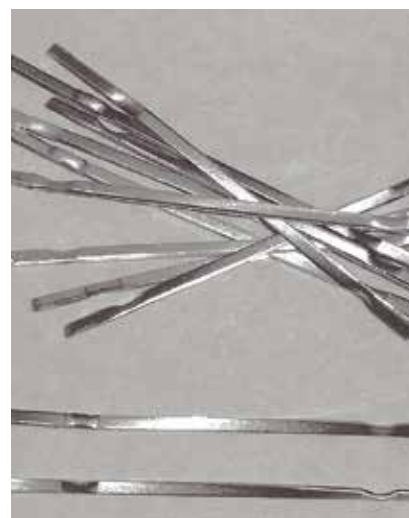
CONSUMPTION: $30 - 70 \text{ kg/m}^3$ of concrete

SIZE: L 44 mm

PACKAGING



25 kg Box



FIBERFLEX S



STRUCTURAL SYNTHETIC FIBRE REINFORCEMENT FOR CONCRETE

Polyethylene terephthalate (PET)

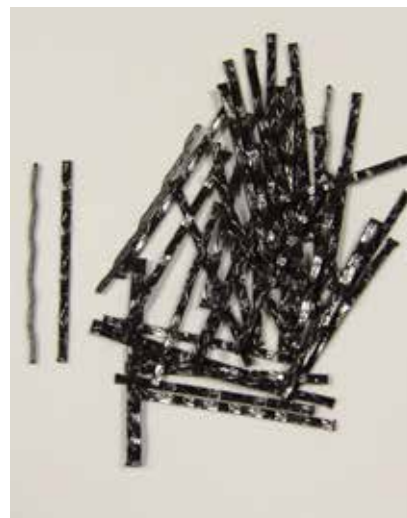
FIBERFLEX S is a structural fibre made of polyethylene terephthalate (PET) for the reinforcement of concrete. The fibre is contoured and knurled on both sides to improve the fibre adhesion and this permits excellent bonding with all cementitious binders, thus avoiding dispersion of the fibres during application. The contoured shape of FIBERFLEX S also enables a uniform distribution in the mix, thus concrete can be pumped more easily while avoiding the formation of blockages.

CONSUMPTION: $2.5 \div 5 \text{ kg/m}^3$ conglomerate Shotcrete: 5 kg/m^3 (recommended consumption)
SIZES: L 20 - 30 - 55 mm Thickness 0.45 mm

PACKAGING



5 kg Bag on 500 kg pallet



SYNTHETIC FIBRES FOR CONCRETE AND SCREEDS

FIBERBETON



SINGLE-WIRE POLYPROPYLENE FIBRES SUPPLIED IN SMALL WATER-SOLUBLE BAGS

FIBERBETON is a synthetic fibre used for the control of fissures in cement conglomerates in plastic phase and as secondary reinforcement of concrete. Recommended for use in pre-cast structures, even thin structures, as they are characterized by a low surface bleeding.

CONSUMPTION: $0.9 \div 1.8 \text{ kg/m}^3$ of concrete
SIZES: L 12 - 18 mm

PACKAGING



28 x 900 g water-soluble Bags per box, total weight 25.2 kg





Trans-Adriatic Pipeline (TAP), Albania

Consolidation of the Albanian pipeline slopes carried out through the application of shotcrete prepared with DRANITE AF, DRACRIL 605, FILLCRETE and FIBERFLEX S.

SHOTCRETE ADMIXTURES

Shotcrete is mainly used in underground construction for protection in the progress of the excavation into rock and for protection from falling stone or even to block water seepage coming from the walls of the excavation. It is also used to protect foundation excavations, to consolidate slopes and embankments, as well as to execute restoration works of degraded concrete constructions in stone and/or brick; it ensures endless possibilities to structures with complex geometric configurations and can be applied wherever traditional cement spraying presents execution difficulties such as on ceilings, on walls behind pipes or other mechanical obstacles.

There are **two types of accelerators: those with a sodium silicate base** (5÷15% by concrete) and those called **alkali-free which are based on aluminium sulphates** (4÷8% by concrete). Sodium silicate based setting accelerators reach, within a few hours, higher compression resistance levels than alkali-free accelerators. By contrast, the conglomerates with sodium silicate based additive, in case of long curing, exhibit a lower mechanical performance than those achieved with alkali-free accelerators.

The reduction of the mechanical performance of mixes with sodium silicate additives can also reach 50% when compared to conglomerates containing no additives. Alkali-free accelerators instead determine reductions of mechanical resistance that may be estimated at about 10% compared to the mix without accelerators. For this reason, **sodium silicate based accelerators are used to create temporary coatings while the alkali-free ones are used to produce mixes intended for the production of definitive structural coatings**. On the other hand, sodium silicate based accelerators, thanks to a quicker setting, are preferred to the alkali-free ones, when there is substantial water seepage on the walls of an excavation. In this context, in fact, alkali-free mixes may be subject to washing out due to their lower setting speed.

DRANITE L



LIQUID SETTING ACCELERATOR FOR SPRAYED CONCRETE (SHOTCRETE)

DRANITE L is a liquid alkaline setting accelerator with hydrophobic effect for preparing moderately resistant shotcrete, even in case of high dampness, seepage and slight water infiltration.

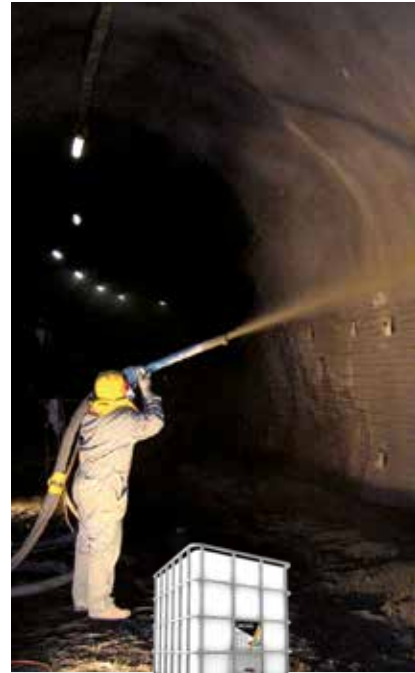
IDEAL FOR

- Preliminary phase coatings for tunnels made of sprayed concrete.
- Restoring existing tunnels.
- Restoring and reinforcing bulkheads, dam faces, canal walls etc.

BENEFITS

- Good mechanical strength, good resistance to the chemical aggressiveness of the environment and low concrete permeability.
- Reduced application times.
- Low scrap quantity.
- Possibility of varying the dosage depending on the specific use.
- High thixotropy which, while increasing the shotcrete adhesion, allows to reduce the number of coating layers, it is also possible to reach 25 cm thicknesses in a very short time (*)
- Rapid development of the cement hydration, so as to facilitate application even at low temperatures.
- It protects and prevents corrosion in exposed reinforcements.

(*) With the addition of FIBERBLEX or FIBERMIX fibres better results can be achieved



CONSUMPTION:

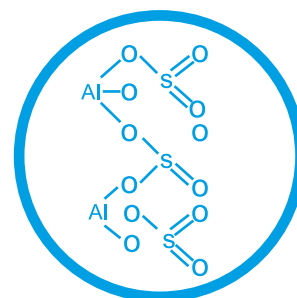
approx. 2 ÷ 6 kg per 100 kg of cement

PACKAGING: the product is available in
270 kg Drum
1350 kg IBC
Bulk

THE DRANITE AF PROJECT

A new generation of setting accelerators for shotcrete is the fruit of years of experimentation in DRACO laboratories. The research was aimed at overcoming the traditional focus on dosages and 'flash time', involving more global performance targets able to guarantee quality that is truly global for executors, customers and users of the work.

A new concept of performance considering parameters such as stability of the mixture at low temperatures, reduced scrap quantity, characteristics of mixture durability, adhesion to the substrate even in case of thicknesses requiring more 'coats', all to guarantee a high development of mechanical strength even for medium and long lapses of time.



COMPARISON TABLE OF DRANITE AF ALKALI-FREE SHOTCRETE ACCELERATORS

	DRANITE AF 880	DRANITE AF 890	DRANITE AF 900	DRANITE AF 1000
Colour	Clear, neutral	Clear, neutral	Clear, neutral	Clear, pale yellow
Density kg/l ± 0.03 ISO 758	1.262	1.313	1.382	1.372
Dry solid content 105°C ± 2% EN 480-8	33.26	37.92	44.52	45.03
Alkali (Na₂O)	< 1%	< 1%	< 1%	< 1%
ph ± ISO 4316 1:0	3.16	2.77	3.49	2.1
Chlorides % 1:1	< 0.1	< 0.1	< 0.1	< 0.1
Setting start time 8%	1	1	1	1
Setting end time 8%	11	5	5	4
Dosage (% cement)	8/10	7/9	6/8	5/7
Bulk price	0.68	0.76	0.84	0.90
1500 kg IBC price	0.85	0.94	1.00	1.10

THE DRANITE AF PROJECT

DRANITE AF 880



ALKALI-FREE SETTING ACCELERATOR FOR SHOTCRETE

Multifunctional version for cold and temperate climates

DRANITE AF 880 is a liquid alkali-free setting accelerator for shotcrete and sprayed mortar. DRANITE AF 880 will ensure very short setting times, minimal scrap quantity and superior mechanical strength.

IDEAL FOR

- Preliminary phase coatings for tunnels made of sprayed concrete.
- Restoring existing tunnels.
- Restoring and reinforcing bulkheads, dam faces, canal walls etc.

BENEFITS

- Good mechanical strength.
- Good resistance to the chemical aggressiveness of the environment.
- Low concrete permeability.
- Low scrap quantity.
- Thixotropic: it increases shotcrete adhesion and allows to reduce the number of coating layers.
- Rapid development of the cement hydration heat so as to facilitate application even at low temperatures.
- It protects and prevents corrosion in exposed reinforcements



CONSUMPTION:

8 ÷ 10 % by weight of cement

PACKAGING:

the product is available in

250 kg Drum

1250 kg IBC

Bulk

THE DRANITE AF PROJECT

DRANITE 890



ALKALI-FREE SETTING ACCELERATOR FOR SHOTCRETE

High-yield version for medium-high thicknesses

DRANITE AF 890 is a liquid alkali-free setting accelerator for shotcrete and sprayed mortar. DRANITE AF 890 will ensure very short setting times, minimal scrap quantity and superior mechanical strength.

IDEAL FOR

- Preliminary phase coatings for tunnels made of sprayed concrete.
- Restoring existing tunnels.
- Restoring and reinforcing bulkheads, dam faces, canal walls etc.

BENEFITS

- Good mechanical strength.
- Good resistance to the chemical aggressiveness of the environment.
- Low concrete permeability.
- Low scrap quantity.
- Good thixotropy which increases shotcrete adhesion, allows to achieve medium-high thicknesses and reduces the number of coating layers.
- Rapid development of the cement hydration heat so as to facilitate application even at low temperatures.
- It protects and prevents corrosion in exposed reinforcements.



CONSUMPTION:

7 ÷ 9 % by weight of cement

PACKAGING:

the product is available in

250 kg Drum

1250 kg IBC

Bulk

THE DRANITE AF PROJECT

DRANITE AF 900



ALKALI-FREE SETTING ACCELERATOR FOR SHOTCRETE

High-yield version for cold climates

DRANITE AF 900 is a liquid alkali-free setting accelerator for shotcrete and sprayed mortar. DRANITE AF 900 will ensure very short setting times, minimal scrap quantity and superior mechanical strength.

IDEAL FOR

- Preliminary phase coatings for tunnels made of sprayed concrete.
- Restoring existing tunnels.
- Restoring and reinforcing bulkheads, dam faces, canal walls etc.

BENEFITS

- Good mechanical strength.
- Good resistance to the chemical aggressiveness of the environment.
- Low concrete permeability.
- Low scrap quantity.
- Excellent thixotropy which increases shotcrete adhesion and allows to reduce the number of coating layers.
- Rapid development of the cement hydration heat so as to facilitate application even at low temperatures.
- It protects and prevents corrosion in exposed reinforcements.



CONSUMPTION:

6 ÷ 8 % by weight of cement

PACKAGING:

the product is available in

250 kg Drum

1250 kg IBC

Bulk

THE DRANITE AF PROJECT

DRANITE AF 1000



ALKALI-FREE SETTING ACCELERATOR FOR SHOTCRETE

Version for low temperatures and high thicknesses

DRANITE AF 1000 is a liquid alkali-free setting accelerator for shotcrete and sprayed mortar. DRANITE AF 1000 will ensure very short setting times, minimal scrap quantity and superior mechanical strength.

IDEAL FOR

- Preliminary phase coatings for tunnels made of sprayed concrete.
- Restoring existing tunnels.
- Restoring and reinforcing bulkheads, dam faces, canal walls etc.

BENEFITS

- Good mechanical strength.
- Good resistance to the chemical aggressiveness of the environment.
- Low concrete permeability.
- Low scrap quantity.
- Excellent thixotropy which increases shotcrete adhesion and allows to reduce the number of coating layers.
- Rapid development of the cement hydration heat so as to facilitate application even at low temperatures.
- It protects and prevents corrosion in exposed reinforcements.



CONSUMPTION:

5 ÷ 7 % by weight of cement

PACKAGING:

the product is available in

250 kg Drum

1250 kg IBC

Bulk



ARCA SpA Cash&Carry C+C, Ravenna

Execution of concrete industrial flooring with the addition of FLUIPAV 501 and cured with anti-evaporation compound PROBETON CURING N

RELEASING AGENTS AND CURING COMPOUNDS FOR CONCRETE

Don't let an "ugly skin" on your concrete ruin the end result of all your efforts. DRACO offers you a **complete range of products for the surface treatment of concrete**. Form-release agents and curing compounds will contribute to enhance the surface finish of your concrete, thus improving your work too. The DRACO curing compounds enable you to **prevent cracking phenomena** due to major drying shrinkage events in exposed castings such as industrial flooring, particularly in hot and windy climates. A small trick for utmost safety.

The DISARMIX form-release agents are manufactured using raw materials of vegetable origin creating products that comply with the strictest standards in terms of safety and environmental compatibility. This ensures superior safety for the operator during use and contributes to improving the **environmental sustainability** of the building process for reinforced concrete and pre-stressed reinforced concrete.

CHEMICAL FORM-RELEASE AGENTS FOR READY-MIX AND PRECAST CONCRETE

DISARMIX C



QUICK RELEASING AGENT FOR FORMWORK

DISARMIX C is a chemical form-release agent with low viscosity based on plant extracts of natural origin, specially formulated for immediate stripping of formwork. DISARMIX C provides a high-quality surface finish and contributes to the protection of the formwork by reducing the need for cleaning. DISARMIX C is particularly suitable for precasting and can be used on any type of formwork (up to 50 °C).

CONSUMPTION: wooden formwork: 20 ÷ 60 m² with 1 l
steel/bakelite formwork: 40 ÷ 90 m² with 1 l

PACKAGING



5-10-20 l Can



200 l Drum



1000 l IBC



CHEMICAL FORM-RELEASE AGENTS FOR READY-MIX AND PRECAST CONCRETE

DISARMIX C94



RELEASING AGENT FOR CONCRETE

DISARMIX C94 is a universal chemical form-release agent based on plant extracts of natural origin. DISARMIX C94 can be used on any type of formwork and guarantees perfect detachment of concrete with any type of casting. It is particularly suitable for use in pre-cast units with natural curing of the cast, with accelerated steam curing or heated formwork.

CONSUMPTION: wooden formwork: 20 ÷ 60 m² with 1 l
iron formwork: da 40 ÷ 80 m² with 1 l

PACKAGING



5-10-20 l Can



200 l Drum



1000 l IBC



Bulk



CHEMICAL FORM-RELEASE AGENTS FOR READY-MIX AND PRECAST CONCRETE

DISARMIX C94 LV



LOW-VISCOSITY RELEASING AGENT FOR PRECAST ELEMENTS

DISARMIX C 94 LV is a chemical form-release agent with low viscosity based on plant extracts of natural origin. DISARMIX C 94 LV can be used on any type of formwork and guarantees perfect detachment of concrete with any type of casting. It is particularly suitable for use in precasting with natural curing of the cast, either with accelerated steam curing or with heated formwork.

CONSUMPTION: wooden formwork: 20 ÷ 60 m² with 1 l
iron formwork: 40 ÷ 80 m² with 1 l

PACKAGING



5-10-20 l Can



200 l Drum



1000 l IBC



CHEMICAL FORM-RELEASE AGENTS FOR READY-MIX AND PRECAST CONCRETE

DISARMIX W



EMULSIFIABLE RELEASING AGENT FOR WOODEN FORMWORK

DISARMIX W is an emulsifiable, chemical form-release agent based on plant extracts of natural origin, that is ideal for use with wooden formwork. It provides excellent surface finish and contributes to the protection of the formwork by reducing the need for cleaning.

CONSUMPTION: 20 ÷ 40 m² with 1l (rough formwork and boards)
40 ÷ 80 m² with 1l (planed wooden formwork)

PACKAGING



5-10-20 l Can



200 l Drum



1000 l IBC



SOLUTIONS FOR WATERTIGHT CONSTRUCTION AND MOVEMENT JOINTS

TAPPOSMART



HYDRO-EXPANSIVE PLUG FOR SEALING FORMWORK SPACERS

Suitable for tubular formwork spacers inner diameters 21-23-25 mm

Hydro-expansive corrugated PVC plug for sealing holes in tubular formwork spacers. TAPPOSMART is composed of a rigid plastic core and a corrugated cap made of hydro-expansive rubber.

CONSUMPTION: 1 - 2 items/m² (recommended: 1 item/m²)

AVAILABLE SIZES: ø 22 - 24 - 26 mm

PACKAGING



ø 22 mm in 50 items bag



ø 24 mm in 50 items bag



ø 26 mm in 100 items bag



PROTECTIVE CURING COMPOUNDS

PROBETON CURING N



ANTI-EVAPORATION CURING COMPOUND FOR CONCRETE

PROBETON CURING N is a curing film based on acrylic resins ideal for the protection and curing of all standard or coloured concrete, installed both horizontally and vertically. It prevents rapid evaporation of mix water from the concrete.

CONSUMPTION: 100 ÷ 160 g/m² depending on the porosity of the substrate

PACKAGING



5-10-20 l Can



200 l Drum



1000 l IBC



WATER-REPELLENT PROTECTION

IDROSILOXAN



TWO-COMPONENT WATER-REPELLENT PROTECTION IN AQUEOUS MEDIUM FOR CONCRETE AND BUILDING MATERIALS

IDROSILOXAN is a silane-based filler in aqueous carrier with superior penetration capacity. It penetrates deeply into materials and makes them water-repellent without altering their appearance or breathability.

CONSUMPTION: 150 ÷ 600 g/m² per coat

PACKAGING



7.5 kg Can + 0.5 kg Can = (A+B) **8 kg**

15 kg Can + 1 kg Can = (A+B) **16 kg**



WATER-REPELLENT PROTECTION

SILOXAN V



ONE-COMPONENT WATER-REPELLENT FOR CONCRETE AND STONE MATERIAL

SILOXAN V is a ready-to-use solvent-phase water repellent treatment. It is used for the treatment of vertical surfaces, it protects materials from chemical aggression, acid rain, anti-freeze salt solutions, freeze-thaw cycles, and also prevents the formation of moulds and efflorescences.

CONSUMPTION: 150 ÷ 600 g/m²

PACKAGING



1 l Bottle



8 - 16 l Can



REFERENCES

The products of the DRACO CONCRETE line boast many successful applications in high-level Italian and European building sites. Below is a selection of our references.

- 1 Conad logistics centre, Forlì**
Addition to concrete for the construction of pre-cast units with DRACRIL.
- 2 Ice Stadium, Baselga di Pinè, Trento**
Addition to flooring concrete of FLUIPAV 501 and FIBERMIX fibres.
- 3 Milan Linate Airport, Milan**
Casting of airport runway made with FLUIPAV 501 ready-mix concrete.
- 4 Milan Malpensa Airport, Milan**
Casting of airport runway made with FLUIPAV 501 ready-mix concrete, fibrereinforced with FIBERFLEX S.
- 5 New agricultural centre and zootechnical ecodistrict, Bonifiche Ferraresi, Jolanda di Savoia, Ferrara**
Execution of concrete flooring (43.000 m²) fibrereinforced with FIBERFLEX S.
- 6 Palasport, Casalecchio di Reno, Bologna**
Execution of concrete flooring with the addition of FLUIBETON AR, EXPAN 25 and DRACRIL XTIME.
- 7 Cefla, Imola, Bologna**
Addition to concrete for the construction of pre-cast units with DRACRIL 1000 R.
- 8 Stadio Olimpico, Turin**
Addition to concrete for the execution of flooring for the Winter Olympic Games Turin 2006 with FLUIPAV 501 R.
- 9 Production plant of Molino Naldoni, Faenza, Ravenna**
Addition to concrete for the execution of industrial flooring and yards with plasticizers DRACRIL and FLUIPAV 501.
- 10 Pusiano Gallery, Como**
Addition to concrete with plasticizers DRACRIL 1100.
- 11 Vercurago Gallery, Lecco**
Addition to concrete with plasticizers DRACRIL 1100.
- 12 BreBeMi A35 Highway, Lombardy**
Addition to the ready-mix concrete used for the execution of infrastructure works with DRACRIL 605 and AERBETON.



1 Conad logistics centre, Forlì



2 Ice Stadium, Baselga di Pinè, Trento



3 Milan Linate Airport, Milan



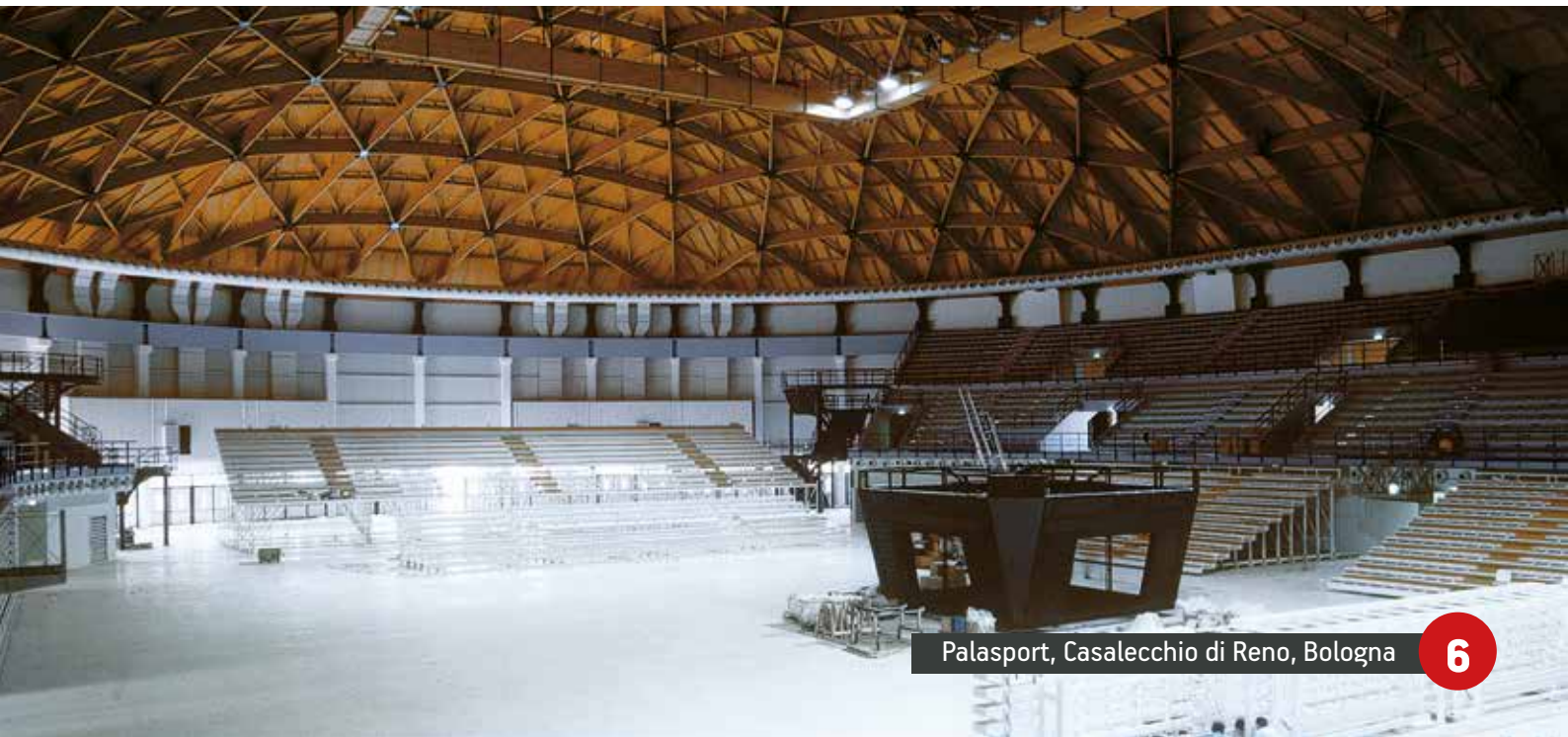
Milan Malpensa Airport, Milan

4



New agricultural centre and zootechnical ecodistrict, Bonifiche Ferraresi, Jolanda di Savoia, Ferrara

5



Palasport, Casalecchio di Reno, Bologna

6



7

Cefla, Imola, Bologna



8

Stadio Olimpico, Turin



9

Production plant of Molino Naldoni, Faenza, Ravenna



Pusiano Gallery, Como

10



Vercurago Gallery, Lecco

11



BreBeMi A35 Highway, Lombardy

12

FIND OUT MORE ABOUT DRACO BUILDING SOLUTIONS:



CONCRETE LINE



FLOORING LINE



WATERPROOFING LINE



REFURBISHMENT AND PROTECTION LINE



UNDERGROUND AND TUNNELLING LINE



RENOVATION AND BIOARCHITECTURE LINE

draco-edilizia.it



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