MAXSEAL® SUPER ADMIX

CE

CRYSTALLINE WATERPROOFING ADMIXTURE FOR CONCRETE

DESCRIPTION

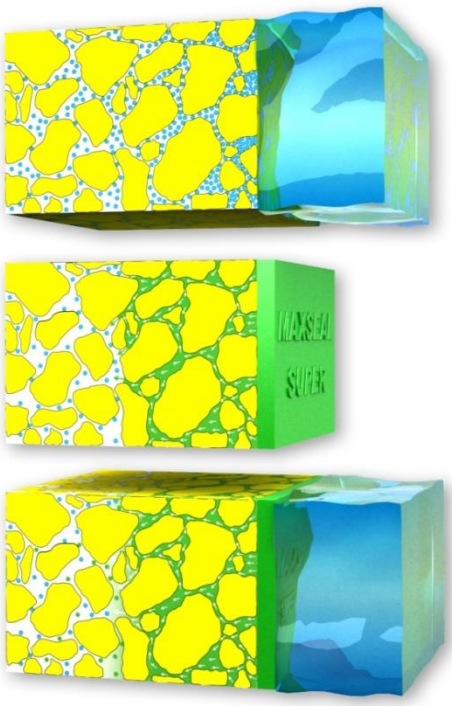
MAXSEAL® SUPER ADMIX is a powder admixture made of specific cements, carefully controlled silica and special active chemical additives.
Once added to the concrete batch, ***MAXSEAL® SUPER ADMIX*** reacts with the fresh concrete and crystallises inside by forming non-soluble particles that blocks the capillarity network of the concrete structure.
Thus, ***MAXSEAL® SUPER ADMIX*** provides an internal crystallization process which seal, waterproof and protect the concrete structure against water and other aggressive compounds.

ADVANTAGES

- Provides protection on positive and negative hydrostatic pressure, up to 10 bars pressure (100 meters water-head).
- Impart an internal waterproofing by forming non-soluble crystals, becoming structural part of the concrete.
- Very high chemical resistance to aggressive soil salts, marine water, etc.
- Seal hairline cracks up to 0,4 mm.
- Allows water vapour diffusion of concrete.
- Reduces job site schedules and labour cost as being added directly on mixing.
- Non-toxic, solvent-free and eco-friendly.

APPLICATION FIELDS

- Waterproofing of water tanks, reservoirs, swimming-pools and fountains.
- Basements and below-grade structures subjected to positive or negative water pressure.
- Waterproofing and protection of concrete foundations, retaining walls and foundation slabs.
- Concrete structures subject to aggressive media such as marine environment, cooling towers, industrial silos, thermal plants, etc.
- All kind of hydraulic jobs such as dams, water channels, waste water treatment plants, sewage pipelines, etc.
- Waterproofing tunnels, shafts, underground structures



APPLICATION INSTRUCTIONS

Mixing
It is supplied ready to use and is added directly to the concrete mix, providing at least 5 minutes mixing to ensure the full distribution of the admixture in the mixture.

CONSUMPTION

Estimated consumption is from 0,8 to 2% by weight of cement (0,4 to 1 kg per 50 kg bag of cement).

IMPORTANT INDICATIONS

- ***MAXSEAL® SUPER ADMIX*** is compatible with most types of admixture for concrete, superplasticizers, air-entrainer, etc.
- In case of doubt about compatibility with other admixtures, perform a preliminary trial.
- For other uses not specified on this Technical Bulletin, consult our Technical Department.

PACKAGING

MAXSEAL® SUPER ADMIX is supplied in 20 kg. bag.

STORAGE

Twelve months in its original unopened containers, in a dry and covered place protected from frost, with temperatures above 5ºC.

SAFETY AND HEALTH

MAXSEAL® SUPER ADMIX is not a toxic product but avoid contact with eyes and skin. Use safety goggles and rubber gloves. In case of skin contact, wash with luke-warm water and soap. In case of eye contact, rinse thoroughly with water. If irritation persists, seek medical assistance.
It is not classified as dangerous material for transportation and non-flammable.

Safety Data Sheet for ***MAXSEAL® SUPER ADMIX*** is available by request.

The final user must do disposal of the product and its empty packaging and according to official regulations.

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TECHNICAL DATA

Product characteristics				
CE Marking EN 934-2:2009 Description: Water-repellent additive for concrete EN 934-2 T9				
Appearance	Grey powder			
pH	13 ± 1			
Solubility in water	Complete			
Effect on concrete samples				
	Untreated Concrete	Concrete with ***MAXSEAL SUPER ADMIX*** (% cement weight)		
		0,8 %	1,5 %	2 %
Depth of water penetration at 10 bars pressure *EN 12390-8* (mm)	39,5	19,0 (52% reduction)	8,6 (78% reduction)	7,0 (82% reduction)
Setting time of concrete, UNE 83-311-86				
- Initial setting-time (h)	4:50	5:05	5:15	5:05
- Final setting-time (h)	6:40	7:25	7:40	7:30
Consumption				
% by weigh of cement	0,8 – 2			

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. ***DRIZORO®, S.A.U.*** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.

DRIZORO Construction Products

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