

Dr. Fixit Polyplus CP Admix



INTEGRAL CONCRETE WATERPROOFING ADMIXTURE

Description

Dr. Fixit Polyplus CP Admix is a waterproofing admixture composed of cement, ultra-fine silica aggregates and proprietary reactive agents and additives used as a permanently active waterproofing treatment for concrete. The chemical ingredients along with the by-products of cement hydration react with the moisture in fresh concrete to generate an incredibly dense crystalline structure which forms an impervious barrier to liquids thereby protecting the concrete and steel reinforcement.

Typical Applications

Water Retaining Structures

- Water tanks and swimming pools.
- Reservoirs, dams and canals.
- Sewerage and water treatment works.
- Concrete pipes.

Water Excluding Structures

- Foundations and shallow basements.
- Tunnels and subways.
- Inspection pits and lift shafts.
- Retaining walls, jetties and sea defences.
- Civil substructures.

Features

- Replaces ineffective sheet membranes.
- Becomes an integral part of the concrete structure.
- Remains permanently active.
- Seals shrinkage cracks up to 0.4 mm width.
- Resists positive and negative water pressure.
- Reduced chloride permeability.
- Treated concrete can withstand hydrostatic water pressure up to 15 metre head.
- Single pack requiring only the addition of water on site.
- Non-toxic and suitable in potable water containment.
- Protects steel reinforcement against corrosion.
- Unaffected by surface wear.
- Improved chemical resistance.
- Can be added at the batching plant or just prior to pour, avoiding climatic constraints.

Packaging

20 kg bags



Method of Application

- Dr. Fixit Polyplus CP Admix is a dry powder dosed at 0.8% to 2% by weight of the cement and added directly to the concrete during mixing. The maximum dosage is 6 kg per m³.
- For smaller mixes, add the Dr. Fixit Polyplus CP Admix to the aggregates and mix for 2-3 minutes prior to adding the cement and water.
- For plant mixed material add the Polyplus CP admix to 60%-70% of the pre-batched water and mix for 2-3 minutes prior to adding the remaining batched ingredients and mixing for 5-7 minutes in accordance with standard practice.
- Polyplus CP Admix can be dispersed in water and added to transit mixers on site just prior to placing. The minimum mixing time should be 7-8 minutes at agitating speed.
- Place and cure concrete as per standard practice. As standard, 7 days of water curing is recommended. Curing membranes as per ASTM C-309 or C-1315 may be used.

Note:

- Not recommended as the primary waterproofing system over moving joints and structures subject to movement, such as roofs.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Reduction in water permeability	as per DIN 1048	45%
Increase in compressive strength	as per IS 516	11.5%
Drying shrinkage reduction	as per DIN-157-08	41%

Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

Health and Safety

This products contains cement. And contact with skin may cause irritation. It should not be inhaled, and a properly designed and maintained face mask should be used whilst handling, pouring and mixing the powder. Avoid contact with the product by working carefully, using a barrier cream and wearing protective gloves. If any contact does occur, wash thoroughly with soap and water. Use eye protection. Avoid contact with eyes, if such contact occurs irrigate with water for 20 minutes and seek medical advice. If mistakenly ingested, drink plenty of clean water and seek medical advice. See MSDS for further information.



DR. FIXIT offers a wide range of Structural Protection and Waterproofing systems:



WATERPROOFING



CONCRETE & STRUCTURAL REPAIR



CRACKFILL & SEALANTS



BONDING AGENTS



SURFACE PLASTERS



GROUTS & ANCHORS



MORTARS



MARBLE & STONE PROTECTION



PERFORMANCE FLOORING



UNDERLAYMENTS



SPECIALITY CONSTRUCTION PRODUCTS



TILE ADHESIVES & GROUTS



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