

DESCRIPTION

EPOCON WP is a chloride free water proofing concrete admixture in liquid form that acts both as a highly efficient plasticizer and waterproofing agent, which functions by forming an internal barrier against water penetration in concrete to provide maximum reduction in permeability without any unwanted side effects. It is suitable for use in tropical and hot climatic conditions.

TYPICAL APPLICATIONS

EPOCON WP is recommended for use in structural and mass concrete, particularly water-retaining structures such as:

- Foundation walls
- Water Reservoirs, Tanks and Dams
- Terraces, Balconies and Basements
- Sewage works
- Swimming Pools and Canals
- Culvert Tunnels and wherever waterproof concrete is required.

ADVANTAGES

- **Waterproofing:** **EPOCON WP** prevents capillary action and reduces permeability in concrete and permanently protects it against dampness and under water pressure.
- **Breathability:** Imparts to the mortar or concrete the properties of an impermeable material without restraining the breathing of structure.
- **Impermeability:** Reduces the quantities of water needed in the mix due to its plasticizing properties, thus strength and impermeability of concrete will be improved.
- **Water absorption:** Reduces water absorption.
- **Easy to use:** No special skills or extra labour is required.
- Sulfate attack is reduced, as the sulfate bearing ground water being resisted.

STANDARD COMPLIANCE

EPOCON WP complies with **ASTM C 494 TYPE - A**.

PRODUCT DATA

Form	Liquid
Colour	Brown
Packing	1000 Ltr (Bulk)
Consumption	0.5 -1.0 Kg /100 Kg Cement
Shelf life	12 months, indoor storing unopened packaging under controlled condition

TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
Density @ 25°C	ASTM C138	1.05±0.1 Kg/Ltr
pH value @ 25°C	ASTM D 1293	8 ± 1
Chloride content	EN 934-2	Nil
Air Entrainment	---	<1%
Setting Time:	---	< 2Hrs
Cement Capability	---	Compatible with all other EPO concrete admixture if added separately to the mix.
Water Proofing	DIN 1048 Part- 51991 & D 1045	< 30MM



EPOCON WP

Water Proofing Admixture for Concrete



APPLICATION PROCEDURE

DOSAGE

0.5 -1.0% by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.

Note: Mix well before use

DISPENSING

EPOCON WP should be dispensed into the mixing water, prior to its addition to the aggregates.

CURING

Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use **EPO CURE** range of products as a curing agent or normal curing method.

COMPATIBILITY

EPOCON WP can be combined with **EPO GULF Type G&F** series of admixtures if added separately to the mix. It is also compatible with sulfate resistant cement. Please consult our **Technical Department**.

CLEANING

Clean all equipment and tools with water immediately after use.

PRECAUTIONS

Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay. Skin barrier cream, safety goggles and rubber gloves are recommended.

HEALTH AND SAFETY

EPOCON WP is non-toxic. Any splashes to the eyes should be washed immediately with water and medical advice should be sought.

FIRE

EPOCON WP is non-flammable

EPOCON WP

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