

DESCRIPTION

EPO KARSOR 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

EPO KARSOR 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:** **EPO KARSOR** 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

EPO KARSOR complies with **ASTM C 494 TYPE - A**.

PRODUCT DATA

Form	Liquid
Colour	White
Packing	25 Kg & 200 Kg
Consumption	0.5-1.0 Kg /100 Kg Cement
Shelf life	12 months, indoor storing on-open packaging under controlled condition

TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
Density at 25°C	ASTM C138	1.05±0.05 Kg/Ltr
pH value	ASTM D 1293	App. 8.5
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 Page -24 clause 6.5.7.5	< 30MM



EPO KARSOR

Integral 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

EPO KARSOR 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

EPO KARSOR 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

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

FIRE

EPO KARSOR is non-flammable

EPO KARSOR

Ver 01/20

EPO GULF SPECIALITIES CO.

Kuwait, Amghara Industrial area
Block 4 Building 95 – 97 – 99
P.O box 12017 – Tel: +965 22272590
info@epogulf.com

WWW.EPOGULF.COM



EPO YAPI KIMYA CO.

Cement – Concrete Technology
Turkey, Istanbul, Tuzla, Orhanlı
Tel: +90 2165932294
info@epo.com.tr