

POLY CRETE A

Water reducing concrete admixture

Uses Product Description

POLY CRETE A is a water-reducing admixture based on selected lignosulphonate materials.

It disperses its particles in the concrete mix to enable the water content to perform efficiently. The delay of the setting time does not affect the strength of the concrete.

Advantages:

- Significantly improves the compressive strength and enhances durability.
- Improves workability without increased water content.
- Maintains place ability and reduces the risk of pump blockage.
- Chloride-free, does not attack reinforcement.
- Increases setting times at elevated temperatures.
- Extends the working life and stiffening time for ease of construction.
- Reduces concrete shrinkage and creep.
- Improves cohesion and surface finish.
- Reduces segregation and bleeding.
- Compatible with other **Plastmix & Admix** admixtures.

Uses:

POLY CRETE A is ideal to:

- Maintain the workability of concrete in hot weather.
- Extend working time of concrete.
- Be used in mixes with low cohesion.

Standards & Specifications

POLY CRETE A complies with ASTM C-494 Type A BS 5075 Part 1.

Specific gravity	1.18 Kg/liter at 20 °C
Base	modified lignosulphonate
Chloride content	Nil
Appearance	Brown liquid
Air entrainment	less than 2%

Compatibility

Compatible with all types of Portland cements and cement replacement materials and all other Plastmix & Admix admixtures

Package & Dosage

POLY CRETE A is supplied in 20 & 220 liter drums. The dosage of **POLY CRETE A** is in the range of (0.3 - 1.0) liter /100 Kg of Portland cement.

It is recommended to carry out actual trial mixes at site to establish the exact dosage rate required.

POLY CRETE A should be added during the mixing cycle at the same time with water prior to its addition to dry mix.

An overdose may cause retardation increase. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation. The effects of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used.

Storage & shelf life

POLY CRETE A has a shelf life of 12 months if stored in normal temperature and closed shedder dry area in undamaged original packing.

Technical support

For any technical support, please consult **POLYCOO** office or representatives.

Health & safety

See separate safety data sheet or contact **POLYCOO** for more details.

Guarantee / Warranty

We warrant our products to be of good quality and manufactured to rigid standards. This warranty is in lieu of any and all other warranties expressed or implied.

This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose.

POLYCOO services are free and the company does not accept liability for any loss arising from it.

Technical Services

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.

Storage

POLY CRETE A has a minimum shelf life of 12 months provided the temperature is kept within the range of 2 °c to 50°C. Should the temperature of the product fall outside this range then contact **POLYCOO** Department for advice.

Freezing point: Approximately - 3 °c

Health and safety

POLY CRETE A does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately.

Do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product

Fire

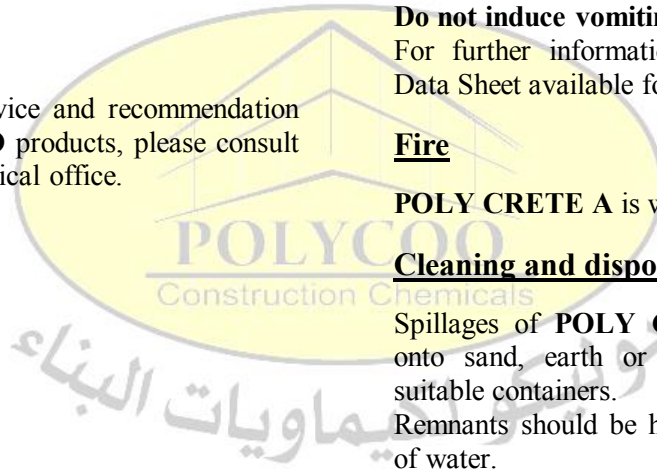
POLY CRETE A is water based and non-flammable.

Cleaning and disposal

Spillages of **POLY CRETE A** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.

Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority



Under technical collaboration with

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