

CEM-SHIELD

Integral Liquid Water Proofing
Compound For Concrete & Plaster

CEM-SHIELD Integral waterproofing liquid admixture for concrete and mortar which is used for to minimise permeability and increase the waterproofing properties of concrete and cement sand mortars for critical applications like roof slabs and screeds, basements, external plastering, bathroom floors & walls, water tanks, sumps, drains etc.



Usages and Advantage

Liquid admixture:

- Instant and complete dispersion throughout the mix.
- Uniform waterproofing throughout concrete matrix.
- High efficiency: Dramatic reduction in permeability of concrete/ mortar Improved
- workability: Improves compaction of concrete and mortar, even where harsh sands or aggregates are used.
- Improved concrete quality: Minimises porosity and honey combing. Produces dense homogenous concrete.

Standard Compliance

CEM-SHIELD complies with IS:2645-2003.

Description

CEM-SHIELD is a dark brown liquid based on PC and lignosulphonates which mixes readily with water and therefore disperses evenly. CEM-SHIELD waterproofs by improving the quality of the concrete or mortar. It reduces the water demand for required workability and minimises segregation and bleeding. Thus it is more efficient compared to traditional powder water proofers as its use results in two fold improvement of concrete or mortar.

Technical support

Brij Additives will provide a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment on request and required basis.

Properties

Appearance	Light Brown coloured liquid
pH	Minimum 6.0
Volumetric mass @ 20°C	1.03 Kg/litre
Chloride content	NIL to IS:456

Dosage

The optimum dosage of CEM-SHIELD to meet specific requirements is 200 ml for 50 kg cementitious material in the concrete mortar mix. CEM-SHIELD is mixed into the concrete or mortar. Water cement ratio less than (<0.5).

Over Dosages

Dosage outside the normal range quoted above can be used to meet particular mix requirements. Over dosage may cause delay in the setting time and segregation. Contact Brij Additives for advice in these cases.

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Packaging

CEM-SHIELD is available in 1 ltr., 5 ltr, 10 ltr , 20 ltr and 235 ltr. drum

Storage

CEM-SHIELD has a minimum shelf life of 24 months provided the temperature is kept within the range of 20C to 50 C. Should the temperature of the product fall outside this range then contact local Brij Additives office for advice.

Health and Safety Instructions

CEM-SHIELD 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. Suitable protective gloves and goggles should be worn. 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.



Cleaning and Disposal

Spillages of CEM-SHIELD should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants 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

Fire

CEM-SHIELD is water based and non-flammable.



WATERPROOFING & REPAIR SOLUTIONS



ADMIXTURE SOLUTION



ACCELERATOR

BRIJ ADDITIVES PVT. LTD.

BRIJ
ADDITIVES
EXPERT'S CHOICE

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ISO 9001:2015
Certified Company

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & is meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirements prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequences for damage or unsatisfactory results, arising from the use of our products.