

MEHS 14WP

Low dosage, liquid, integral water proofer for concrete and mortar

Description

MEHS 14WP is a liquid admixture for concrete to achieve high resistance to water ingress. It is based on a blend of surface active agents and refined lignosulphonate.

Uses

- Can be used in all structural concrete that is constantly or intermittently in contact with water such as sea walls, tunnels, basements. structural and concrete in exposed superstructures.
- To reduce salt outcome in the plaster work.
- Reduce porosity in the concrete.
- Can be used as waterproofing cum plasticizing admixture for cement mortars and plasters.

Advantages

- Provides resistance to water penetration either under hydrostatic pressure or capillary absorption.
- Increased durability.
- Reduced sulphate attack.
- Reduced efflorescence.
- Improved cohesion, reduce segregation.
- Pumpabiity of concrete is improved.
- Improved surface finish.
- Reduced shrinkage cracks in plasters

- Does not reduce compressive strengths
- Liquid easy to use.
- Low dosage Economical.

Technical Data

Color : Dark Brown

Form : Liquid

Specific Gravity: 1.17±0.02 at 25° C

Salt Scaling Resistance: Excellent

Chloride Content: 0.0%

Surface absorption of water, BS 1881:

Reduction of 60-80%.

Standard Compliance

MEHS 14WP complies with IS 9103-1999. MEHS 14WP conforms to ASTM C-494 Type 'A' and Type 'D'.

Dosage

The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured. Site trials with MEHS 14WP should always be compared with mix containing no admixture. As a guide, the



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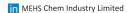
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rate of addition is generally in the range of 200 ml to 400 ml per 100kg Cement.

Over Dosing

An over dose of double the recommended amount of MEHS 14WP will result in very high workability and some retardation of setting time will occur. However, the ultimate compressive strength will not be impaired. Delay setting of Concrete may occur due to over dosing.

Compatibility

MEHS 14WP is compatible with admixtures used in the production of quality concrete including normal, other mid-range and high-range water-reducing admixtures, entrainers, accelerators, retarders, extended set control admixtures, corrosion inhibitors, and shrinkage reducers and all types of Water Integral admixtures.

MEHS 14WP is also compatible with slag and pozzolans such as fly ash, metakaolinand silica fume.

Packaging

MEHS 14WP is supplied in 250kg drums.

Shelf Life& Storage

MEHS 14WP has a minimum shelf life of 12 months from the date of manufacture when stored under

normal temperature. MEHS 14WP must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Store under Failure to comply with the recommended conditions may result in premature deterioration of the product or packaging.

Application

MEHS 14WP is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of MEHS 14WP to dry aggregate or cement is not recommended.

Precautions MEHS14WP is Non Toxic & Non Flammable.As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and food stuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item

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