K2 LIGNOPROOF WLC

Lignosulfonate Based Integral Waterproofing Liquid Admixture for Concrete & Mortar

Description:

Minimizes permeability and effectively waterproofs concrete and cement sand mortars for applications like roof slabs and screeds, basements, external plastering, bathroom floors, water tanks, sumps, drains and all water retaining bodies.

Area of Application:

K2 LIGNOPROOF WLC can be used for all types of concrete and mortars.

Benefits:

- Liquid State ensures instant and complete dispersion and uniform waterproofing throughout Concrete matrix.
- Improves workability and compaction of concrete and mortar, even in unmonitored site conditions.
- Minimizes porosity and honey combing, Produces dense, homogenous, quality concrete and reduction in a permeability of concrete/ mortar.
- Effectively reduces bleeding and segregation.
- Reduces mortar dropping and rebound less.

Technical Properties:

Properties	Results
Color	Dark Brown Liquid
Chloride Content	Maximum 0.05%
Compatibility	Can be used with all type of cements, including pozzolanic but not high Alumina/ fast setting cement.
Permeability to water	Less than 15% as compared to 50% max. Allowable under IS : 2645-2003
Setting Time	No significant effect on setting time of concrete or mortar
Compressive strength	Maintains compressive strength & can even improve on strength property if full advantage of water reduction potential is utilized
Workability	Improves work ability at reduced water cement ratio

Standards:

K2 LIGNOPROOF WLC conforms to IS: 2645-2003.

Application Instruction:

MORTAR

K2 LIGNOPROOF WLC is ideal for use with all sand/cement mortars where minimum permeability is required.

CONCRETE

K2 LIGNOPROOF WLC is used in all general mass concrete work where, the difficulty of compaction or mix control, the risk of porosity and permeability exists. Such as Basements, bunds walls, tanks, balcony, floor and roof slabs.

Dosage:

- The minimum dosage is 100 ml and the maximum is 200ml per 50kg of cement. If maximum dosage is used a minimum of 15% water should be reduced to ensure no loss in strength.
- K2 LIGNOPROOF WLC is measured and stirred into the dosing water.

- K2 LIGNOPROOF WLC water mixture shall be added to the concrete or mortar and mixed thoroughly. Mixing shall be continued and further water shall be added until the required work ability is obtained.
- The total amount of water added per mix in the initial batches shall be maintained for the remaining batches.
- If the moisture content of the sand or aggregate changes, then the amount of water used must be reduced or increased to give the original work ability.

Packing:

K2 LIGNOPROOF WLC is available in 1Liter, 5Liter, 10Liter, 20Liter and 200Liters Pack.

Shelf Life and Storage:

K2 LIGNOPROOF WLC has a minimum shelf life of 12 months, if kept in a dry store in unopened condition.

Health & safety:

K2 LIGNOPROOF WLC is non-toxic. Any splashes on the skin should be washed well with water. If contact with eyes occurs, wash well with plenty of water and seek medical advice.

FIRE

K2 LIGNOPROOF WLC is non-flammable.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

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