

K2 LIGNOPROOF WLC

LIGNOSULFONATE BASED INTEGRAL WATERPROOFING
LIQUID ADMIXTURE FOR CONCRETE AND MORTAR



Minimises 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.

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.
- Minimises porosity and honey combing. Produces dense, homogenous, quality concrete and reduction in permeability of concrete/ mortar.
- Effectively reduces bleeding and segregation

STANDARDS

K2 Lignoproof WLC conforms to IS:2645-2003.

PROPERTIES

Color

Dark Brown Liquid

Chloride content

As per IS:2645-2003

Compatibility

Can be used with all types 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 and can even improve on strength property if full advantage of water reduction potential is utilised.

Workability

Improves work ability at reduced water cement ratio

APPLICATION METHOD

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, difficulty of compaction or mix control, the risk of porosity and permeability exists. Eg. Basements, bund walls, tanks, balcony, floor and roof slabs.

Dosage

The minimum dosage is 100 ml and the maximum is 200ml per 50kgs 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.

Packaging

K2 Lignoproof WLC is supplied in 1, 5, 20 and 200 liter containers.

STORAGE

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

Health and Safety instructions

K2 Lignoproof WLC is non-toxic. Any splashes on 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 a team of specialist applicators in the industry

Important note :

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