

K2 PLASTMIX 200

INTEGRAL WATERPROOFING LIQUID ADMIXTURE
FOR CONCRETE AND MORTAR



Minimises 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, water tanks, sumps, drains etc.

BENEFITS

- Liquid admixture for Instant and complete dispersion throughout the mix. Uniform waterproofing throughout concrete matrix.
- Demonstrated reduction in permeability of concrete & mortar.
- Improves work ability and compaction of concrete and mortar, even where sands or aggregates are used.
- Reduces porosity and honey combing and produces dense homogenous and quality concrete.

STANDARDS

K2 Plastmix 200 conforms to IS:2645-2003.

DESCRIPTION

K2 Plastmix 200 is a dark brown liquid based on lignosulphonates which mixes readily with water and therefore disperses evenly. K2 Plastmix 200 waterproofs by improving the quality of the concrete or mortar. It reduces the water demand for required work ability and minimises segregation and bleeding. Thus it is more efficient compared to traditional waterproofers as its use results in excellent improvement of concrete or mortar.

PROPERTIES

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 of concrete or mortar and can even improve on strength property if full advantage of water reduction potential is utilised.

Workability : Improves workability at reduced water cement ratio

APPLICATION INSTRUCTIONS

K2 Plastmix 200 is ideal for use with all sand/cement mortars where reduced permeability to a Minimum is the criterion.

K2 Plastmix 200 is recommended for all common mass concrete work where, due to aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimised. Eg. Basements, bund walls, tanks, balcony, floor and roof slabs.

N.B. : The minimum dosage is 125ml 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. Site trials shall be carried out to arrive at the optimum dosage. The required quantity of K2 Plastmix 200 is measured and stir into the quantity of dosing water. K2 Plastmix 200 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 workability is obtained.

Important note : The total amount of water added per mix in the initial batches shall be maintained for the remaining batches.

Note : Mixes using K2 Plastmix 200 requires much less water than normal mixes for the same workability. Water reduction may be 15% or more. If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, then water quantity used must be reduced or increased to give the original workability.

Packaging : K2 Plastmix 200 is supplied in 1, 5, 20 and 200 litre containers. The optimum dosage is 125 ml per 50 kg cement.

STORAGE

K2 Plastmix 200 has a minimum shelf life of 12 months, when kept in a dry place in unopened containers.

Health and Safety instructions

K2 Plastmix 200 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 immediately.

Fire

K2 Plastmix 200 is non-flammable.

TECHNICAL SUPPORT

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

Important note :

Jay Chemical Industries Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Jay Chemical Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.



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