



ADT MIX LW+

Superplasticizer Admixture

Integral Waterproofing Compound for concrete, mortar and Plaster

USES

To minimize 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.

PROPERTIES

- **Chloride content:** As per IS: 2645-2003
- **Compatibility:** Can be used with all types of cements, including pozzolanic but not High Alumina Cement.
- **Setting Time:** No significant effect on setting time of concrete or mortar

COMPRESSIVE STRENGTH

Maintains compressive strength equal to control concrete or mortar and can even improve on strength property if full advantage of water reduction potential is utilized.

Acts to disrupt the leakage causing capillary structures formed in concrete to cause leakages

ADVANTAGES

- Liquid admixture: Instant and complete dispersion throughout the mix. Uniform waterproofing throughout concrete matrix.
- Improved concrete quality: Minimizes porosity and honey combing. Produces dense homogenous concrete.
- Increases the durability and weather resistance.
- Economical – cuts labour cost, and saves time and usage of cement.
- Imparts waterproofing property
- Water reducing admixture - Improves workability, cohesion and pump ability, reduces segregation.

STANDARDS COMPLIANCE

ADT MIX LW+ conforms to IS: 2645-2003.

DESCRIPTION

ADT MIX LW+ is a dark brown liquid designed specifically to allow superior workability in concrete / mortar / plaster mixes with reduced water and also achieve high resistance to water ingress. ADT MIX LW+ waterproofs by improving the quality of the concrete or mortar or plaster. It reduces the water demand for required workability and minimizes 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.



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TECHNICAL SUPPORT

ADT INDUSTRIES provides a technical advisory service for onsite assistance and advice on product selection, evaluation trials and dispensing equipment.

APPLICATION INSTRUCTIONS

Mortar: ADT MIX LW+ is ideal for use with all sand/cement mortars where it is required to reduce permeability to a minimum.

Concrete: ADT MIX LW+ is recommended for all general mass concrete work where, due to harsh aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimized. E.g. Basements, bund walls, tanks, balcony, floor and roof slabs.

The required quantity of ADT MIX LW+ is measured and stir into the first or second bucket of water.

ADT MIX LW+ 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.

LIMITATIONS

Excess dosage may delay the setting of concrete

RECOMMENDED DOSAGE

100-250 grams for 50kg bag of cement (0.2%- 0.5% by weight of cement) The total amount of water added per mix in the initial batches shall be maintained for the remaining batches

Note: Mixes using ADT MIX LW+ will require much less water than normal mixes for the same workability. Water reduction may be as much as 15% or more. If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, then the amount of water used must be reduced or increased to give the original workability.

PACKAGING

ADT MIX LW+ is supplied in 20 & 250 Kg containers

STORAGE

ADT MIX LW+ has a minimum shelf life of 18 months, if kept in a dry store in unopened containers



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