



Description

UltraTech **SEAL & DRY ILW+** is specially formulated Integral waterproofing liquid system which will improve the performance properties of plaster, mortar and concrete. It makes plaster, mortar and concrete cohesive and enhances the compressive strength and water tightness.

Specification

Technical Parameters complies with **IS 2645 & IS 9103**.

Features & Benefits

- Reduces water cement ratio
- Improves workability
- Very easy to mix
- Reduces permeability
- Produces dense homogenous mixes
- Enhances the compressive strength

Areas of Application

UltraTech **SEAL & DRY ILW+** is recommended for increasing the workability, density of concrete and mortars. It can be used for all types of site-mixed normal concreting, for external and internal plastering, for brick jointing works and also in the repair concrete and mortar work applications.

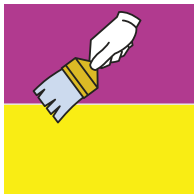
METHOD OF APPLICATION

Mixing



- Mix cement & fine/coarse aggregates as per mix design for concrete and mortars/plasters, mix it in dry state for 1-2 minutes
- Add water 60-70% initially and mix it for 2-3 minutes
- Add 200 ml of UltraTech **SEAL & DRY ILW+** per 50 Kg bag of cement into the remaining water. Add this to prepared concrete or mortar and mix it for another 2-3 minutes

Application



- Prepared concrete or mortar can be placed as per need
- Water curing is recommended as per good construction practices

TECHNICAL DATA AS PER RELEVANT IS AND ASTM STANDARDS

Appearance	Free flowing liquid
Colour	Reddish Brown
Specific gravity	1.05-1.10
pH value	8 to 9
Total solids	30-35%
Workability	By Slump cone measurement-workability increases with addition of UltraTech Seal & Dry ILW+
Cohesion	Increases with the addition of UltraTech SEAL & DRY ILW+
Water permeability (IS 2645:2003)	Reduces 80% of water penetration with addition of UltraTech SEAL & DRY ILW+
Compressive Strength (IS 12062N/mm ²)	Increases by 10% with addition of UltraTech SEAL & DRY ILW+
Dosage	200ml per 50 Kg bag of cement depending upon the type of cement

Note

- The above technical parameters are as per test results carried out at UltraTech Building Products Division lab. The mortar, concrete mixes used are 1:4 and 1:1.5:3, raw materials for tests are locally sourced and the results may have minor changes when UltraTech SEAL & DRY ILW+ is used along with concrete/mortar mixes prepared with respective sources of raw materials/ingredients

Safety Directions

- UltraTech **SEAL & DRY ILW+** is non toxic. Use of gloves recommended. Any splashes to the skin or eyes should be washed off with clean water immediately. In case of prolonged irritation, medical advice should be sought

Packaging

200 ml, 1 L, 5 L, 10 L, 20 L, 50 L, 100L

Shelf Life

- UltraTech **SEAL & DRY ILW+** has a shelf life of 24 months from the date of manufacture. Store at a cool and dry place

Other Product Categories available with UltraTech Building Products Division

- Tile Adhesives
- Micro Concrete and Repair Mortar
- Industrial/Precision Grout and Anchors
- Injection Grouting Material
- Plasters and Jointing Mortar
- Floor Screeds & Masonry
- Autoclaved Aerated Lightweight Concrete Blocks

DISCLAIMER

Information provided on this data sheet is the guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guaranty/warranty for the results and the company is not liable for any consequential damages.



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