

SEAL & DRY

Waterproofing Made Simpler



Technical Data Sheet

Series: SD0007

Month: April 2016

Supersedes all earlier TDS

Description

UltraTech **SEAL & DRY** is a single component, cement based, polymer modified flexible, water proof coating incorporated with high quality polymer additives, graded sand and fillers for all positive side water proofing applications.

Features & Benefits

- ✓ Single component just to add water for usages.
- ✓ Consistent quality made using mix of well graded sand and additives.
- ✓ No water curing.
- ✓ Strong adhesion to substrate.
- ✓ Convenient to apply.
- ✓ Faster completion of work.
- ✓ Negligible wastage due to higher pot life.
- ✓ Brush application consistency.
- ✓ High positive side water proofing ability.
- ✓ Eco-friendly product.
- ✓ CFTRI approved for food grade applications.

Areas of Application

UltraTech **SEAL & DRY** can be used for positive side water proofing of terraces, sunken areas, water tanks, sunshades, canal linings, exterior walls. It can be used effectively on brick, block, stone walls as well as concrete surfaces. Ideal for old and new surfaces of any geometry.

Method of Application:

1. Surface Preparation

- Prepare the surfaces before the UltraTech **SEAL & DRY** application by removing oil, bond inhibiting agents, dirt, dust and laitance.
- The cleaning can be carried out with suitable methods like by using wire brush, water jetting, mopping etc.
- Use UltraTech **KRACKFIL** to fill the non-structural cracks if any on the surface prior to application of UltraTech **SEAL & DRY**.
- If any structural related issues are noticed, care to be taken to attend the same before water proofing.
- UltraTech **BASEKRETE** is recommended to level the surface as per the thickness of undulations or for any repair works to attain the flat, stable and normal absorption back ground (SSD condition) prior to UltraTech **SEAL & DRY** application.

2. Mixing

- UltraTech **SEAL & DRY** requires 37-40 % of water by weight of material.
- Mix **UltraTech SEAL & DRY** to the measures quantity of water using mechanical stirring for 2-3 minutes to ensure a consistency free of lumps.
- Mix only the required quantity which is consumed with in the 1 hour pot life period. No additional water should be added to the already mixed UltraTech **SEAL & DRY**.

3. Application

- Application of UltraTech **SEAL & DRY** has to be carried out in shade to ensure the optimum product performance.
- Adequate slope has to be given over terraces with screed layer over UltraTech **SEAL & DRY** applied areas for proper water drain outs.
- Use soft bristle brushes to apply UltraTech **SEAL & DRY** to have uniform and required thickness in 2 coats one perpendicular to the other. Second coat can be applied after a minimum gap of 2-3 hours during normal climatic conditions.

- Average thickness of each coat should be in the range of 0.6-0.8mm and number of coats may be increased to achieve higher thickness as per the demanding application areas. In case of water tanks, it is quite possible that drying time may increase to more than 2-3 hours. In such cases, ensure that first coat is dried properly before second coat is applied.
- It is recommended to adopt a sandwich system of application if UltraTech **SEAL & DRY** is applied in exposed areas like roofs and terraces.
- For application over brick/ block/ AAC block walls, it is recommended to apply UltraTech Seal & Dry in a sandwich manner for obtaining optimum results.

Technical Data

Bulk Density	1450-1550Kg/cum
Water powder ratio	37-40 % by weight
Pot life	1 hour @ 27°C
Type of application	By paint brush
Coverage	1.1sqm/ Kg/ 2 coats of 0.6-0.8mm each
Thickness of Layer	1.5 mm in 2 coats dry film thickness
Water Curing	NIL
Wastage	Negligible
Final finish	Smooth and excellent
Food grade certification (CFTRI)	yes
Water permeability test (DIN 1048)	Nil up to 7 bar positive side
Abrasion resistance (IS 1237)	1.15mm
Pull out adhesion (ASTM D 4541)	0.35 N/mm ²
Chalking	NIL
Appearance	Free flowing grey powder

Note

The technical data provided in this technical data sheet is as per our internal lab testing and may vary as per the actual method of application at sites.

Packaging

1 kg, 5 kg and 25 kg bags.

Shelf Life

UltraTech **SEAL & DRY** has a shelf life of 6 months from the date of manufacture. Store at cool and dry place.

Safety Directions

UltraTech **SEAL & DRY** is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water.

In case of prolonged irritation, medical advice should be sought. UltraTech **SEAL & DRY** is non-flammable.

Other Product Categories available with UltraTech Building Products Division

- ✓ Aerated Lightweight Concrete Blocks
- ✓ Jointing mortar, Plasters and repair mortars
- ✓ Waterproofing Solution
- ✓ Tile Adhesives
- ✓ Grouting & Anchors
- ✓ Floor Screeds

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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