

# UltraTech SEAL & DRY

Flexible Waterproofing

FLEX



Series: SDF0012  
Month: September 2019  
Supersedes all earlier TDS

SEAL & DRY FLEX

ULTRATECH

## Description

UltraTech **SEAL & DRY FLEX** is a two component, cement-based, styrene acrylic polymer-based flexible, waterproof coating incorporated with high quality polymer additives and fillers for all positive side waterproofing applications.

## Features & Benefits

- Consistent quality made using high quality polymers, additives and fillers
- 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 waterproofing ability
- Non-toxic
- 50% elongation at tensile force of 50 Kg/sq.cm

## Areas of Application

UltraTech **SEAL & DRY FLEX** can be used for positive side waterproofing of terraces, sloping roofs, RCC water tanks, balcony, domes. It can be used effectively over concrete surfaces, marble and granite bottom areas, it's ideal for old and new surfaces of any geometry. Highly recommended for waterproofing of areas less than 10,000 sq.ft.

## METHOD OF APPLICATION

### Surface Preparation



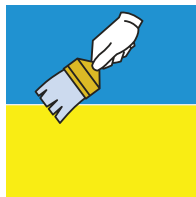
- Prepare the surfaces before the UltraTech **SEAL & DRY FLEX** application by removing oil, bond inhibiting agents, dirt, dust and laitance
- The cleaning can be carried out with suitable methods like using wire brush, water jetting, mopping, etc.
- Use suitable crack filler to fill the non-structural cracks, if any, on the surface prior to application of UltraTech **SEAL & DRY FLEX**
- If any structural related issues are noticed, care to be taken to attend the same before waterproofing
- Use UltraTech MYKROFILL for pressure grouting of weak/honeycombed areas prior to application of UltraTech **SEAL & DRY FLEX**
- Application of UltraTech **SEAL & DRY FLEX** has to be carried out with recommended surface preparations to ensure the optimum product performance
- Rapid setting water plug material to be used to stop running water leakages before waterproofing application

### Mixing



- In a mixing vessel, slowly add the powder component into the liquid component and continuous stirring to be done by using mechanical stirrer for 2-3 minutes to ensure a consistency free of lumps
- Mix only the required quantity in the set proportion (2 part powder + 1 part liquid) which is consumed within the 2 hours pot life period and as per the requirement for total area of treatment

### Application



- Use soft bristle brushes to apply UltraTech **SEAL & DRY FLEX** to have uniform and required thickness in 2 coats, one perpendicular to the other. Second coat can be applied after a minimum gap of 24 hours during normal climatic conditions
- Average thickness of each coat should be in the range of 0.4-0.5 mm DFT and number of coats may be increased to achieve higher thickness as per the demanding application area
- It is recommended to adopt a sandwich/underlayment system of application if UltraTech **SEAL & DRY FLEX** is applied in exposed areas like roofs and terraces
- UltraTech **FLOORKRETE** with 8 mm down aggregate @ 1:1 mix ratio as top screed is recommended over UltraTech **SEAL & DRY FLEX** coated areas for enhanced life
- UltraTech **SUPER STUCCO** is suggested as top screed over domes and sloped roofs for screed thickness < 6 mm

## TECHNICAL DATA AS PER RELEVANT IS AND ASTM STANDARDS

Bulk density - powder component	1100-1200 Kg/m <sup>3</sup>
Solid ratio - liquid component	40% ± 1%
Type of polymer	Styrene acrylic polymers
Mix ratio by weight	2 part of powder to 1 part of liquid
Elongation % ASTM D 412	50% @ 50 Kg per sq.cm tensile load @ 1 mm DFT
Pot life	2 hours
Type of application	By brush
Coverage	15-16 sq.ft. per Kg of combined weight of the product @ 1 mm DFT in 2 coats
Thickness of layer	0.4-0.5 mm DFT per coat
Water curing	No need of curing
Wastage	Negligible
Final finish	Smooth breathable coating
Water permeability test (DIN 1048)	Upto 7 bar positive side water pressure
Pull out adhesion (ASTM D 4541)	Greater than 0.3 N/sq.mm
Chalking	Nil
Appearance of final mix	Grey colour
Water ponding	To be carried out for 72 hours only after proper hardening of the coating, 3 to 4 days subsequent to 2nd coat of application

### Note

- UltraTech **Seal & Dry** Waterproofing specifications & method statement needs to be strictly followed to derive the complete product performance
- 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
- Consult UltraTech Building Product Division Technical Services Cell for any further technical assistance. Care to be taken to avoid thickness of application greater than 0.5 mm in each coat to avoid any material disassociation especially in high undulated surfaces

### Safety Directions

- UltraTech **SEAL & DRY FLEX** 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. UltraTech **SEAL & DRY FLEX** is non-flammable

### Packaging

3Kg, 15kg, 30kg

### Shelf Life

- UltraTech **SEAL & DRY FLEX** has a shelf life of 12 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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