

# UltraTech

## WEATHER PRO

Series: Weather Pro Top-Shield | Month: October 2023  
Supersedes all earlier TDS

### TOP-SHIELD

ELASTOMERIC WATERPROOF COATING

UltraTech Weather Pro Top-Shield is a superior elastomeric acrylic terrace waterproofing coating, safeguarding terrace against seepage and providing enduring protection. With its advanced formulation, Top-Shield offers exceptional flexibility, crack bridging, is UV resistant and can take foot traffic. It is a three-layer system available in three different shades to ensure proper build-up of film thickness. It helps achieve reduction in surface temperature along with anti-algal and anti-fungal properties.

## Areas of Application

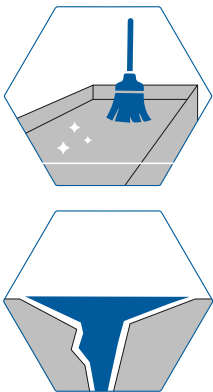
UltraTech Weather Pro Top-Shield is ideal for waterproofing over new/existing concrete surfaces, cementitious systems like Brick Bat Coba IPS, screeds etc.

## Features and Benefits

- Higher tensile, elongation properties with excellent bond strength to cementitious substrates
- Excellent Crack bridging ability up to 2mm width
- Water resistance up to 7 bar water pressure @1mm Dry Film Thickness (DFT)
- Reduction in surface temperature of roofs up to 10°C\*
- Resistant to foot traffic with excellent abrasion resistance.
- The coating is UV resistant and provides higher resistance to long term weathering effects
- Single component and easy to apply.
- Can be applied directly on existing sound and cured concrete surfaces, Brick Bat Coba with IPS/screed even without removing.
- No protection screed is required.
- Dry film thickness of 1mm in three coat application
- Excellent breathability ensuring escape of water vapour from the surface
- Resistant to Algae and fungi growth
- Excellent barrier against carbonation.

\*With white shade as the top coat

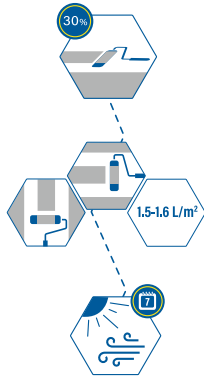
## Method of Application



### Surface Preparation

- The surface should be cleaned and should be free from dust, laitance, grease, oil, loose particles. For existing roofs/parapet walls wherever incident with algae/fungus suitable treatment with fungicidal solution is recommended before application.
- Freshly laid screed/IPS surfaces should be properly cured for 4-6 weeks before application of the coating.
- Ensure proper slope is provided before the application. Also, address the undulations by proper resurfacing thereby preventing water stagnation.
- Water drains on the roofs should be sufficiently provided (One outlet per 50 sq.m surface area) and the gaps around the pipe inserts should be properly sealed with Tapes/Polymer Modified Mortar (PMM)/Repair Mortars/Grouts.
- Ensure areas surrounding the installation upstands are properly rounded with angle fillets using PMM containing SBR.
- For existing old roofs/terraces with Brick Bat Coba or screed, check the soundness of the substrate. Cut and remove the damaged or hollow portions and resurface using UltraTech Seal & Dry SBR modified mortar/Repair mortar. Brick bat jointing mortar can be reinstated by mixing SBR with cement base slurry.
- Surface cracks must be treated using Polymer Modified Mortar prepared using Seal & Dry SBR. The expansion joints should be attended using suitable sealants.

## Method of Application



- Ensure the surface is in SSD condition for better results.
- Apply a prime coat of UltraTech Weather Pro Top-Shield with a dilution of 30% as a self-priming coat yielding a coverage rate of approximately of 10sq.m per L per coat.
- Allow the prime coat to dry for 4-6hours and apply the undiluted base coat in a grid size of 1sq.m at the rate of 0.4-0.5L per sq. m per coat using a brush or a roller in uni-direction.
- Allow the base coat to dry for 4-6hours and apply the undiluted mid coat and the top coat in perpendicular direction to the previous coat at the same rate of coverage as the base coat. Allow 4-6hours of drying time between subsequent coats.
- It is recommended to use terracotta shade as base coat, grey shade as mid coat and white shade as the top coat to achieve the reduction in surface temperature. However, the colour sequence of the material can be altered based on the desired shade of the top coat. In cases where only 2 shades are desired, the base and top coat shall be of same shade.
- The above grid method application will ensure achieving of 900-1000microns Dry Film Thickness.
- Allow the coating to air cure for a minimum of 7 days.

## Coverage

System: Self Primer Coat + 3 Undiluted Coats: 1.5-1.6L per sq.m\*\*

\*\*Actual consumption may vary based on substrate and its condition

## Technical data as per relevant IS Standards

Properties	Standard Specifications	Results
Appearance	Viscous Liquid	Viscous Liquid
Solid Content, by weight of solids (%)	-	65 ± 2
Tensile Strenght @ 1mm DFT, MPa	ASTM D 412-2016	Above 1.5
Elongation at Break, %	ASTM D 412-2016	Above 300
UV Resistant Accelerated ( Weathering 1000 hours)	ASTM G 154 : 2023	Passes
Reduction in surface tempreture, °C	ASTM D 4803 : 2018	Up to 10
Pull off Adhesion to Concrete, MPa	ASTM D 7234 - 2022	Min 1.5
Algae & Fungal Resistance, Visual	SS 5 Part G2-2003	Passes
Crack Bridging, mm	EN 1062 (A) - 2004	2
Water Permeability mm (Depth of Penetration at 7 bar pressure)	EN 12390-8-2019	Nil
Dry Film Thickness of coating, Microns		900-1000

## Note

- The Product is not recommended over expansion or moving joints
- The product is designed for foot traffic and not for vehicular or machine movement
- Avoid application at extreme temperatures during rains or if rain is expected within 48hours post application.
- For complete waterproofing treatment of parapet walls/coping is necessary.
- It is recommended to use the white shade as the topcoat to achieve the reduction in surface temperature.
- Ensure all corners, gaps, joints, outlets and critical leak areas are treated with extra coats.
- Store the material in tightly closed condition away from direct sunlight whenever not in use.
- Avoid puncturing of the cured film with sharp objects/metals
- For application over any existing systems such as bituminous coatings, remove the existing treatment and ensure proper surface preparation is carried out. Consult UltraTech Building Products Division Technical Services Cell for any further technical assistance.

## Packaging

Available in 1L, 4L, 10L, 20L pack sizes and in 3 shades



## Safety Directions

- Use of gloves and goggles is 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 Weather Pro Top-Shield is non-flammable.

## Shelf Life

- UltraTech Weather Pro Top-Shield has a shelf life of 36months from the date of manufacture. Store in a cool and dry place.

## Other Product Categories

- Waterproofing - SEAL & DRY and WEATHER PRO
- Tile Adhesive & Tile Grout – TILEFIXO, TILEFIXO GROUT, TILEFIXO STYLE EPOXY GROUT
- Plaster & Jointing Mortar – READIPLAST, SUPER STUCCO, BASEKRETE and FIXOBLOCK
- Repair & Rehabilitation - MICROKRETE, MYKROFILL and BASEKRETE
- Flooring – FLOORKRETE, SMARTOP
- Industrial & Precision Grout - POWERGROUT
- Autoclaved Aerated Lightweight Concrete Blocks - XTRALITE

**UltraTech**  
CEMENT  
The Engineer's Choice

### UltraTech Cement Limited

Regd. Office: 2<sup>nd</sup> Floor, B-Wing, Ahura Centre, Mahakali Caves Road, MIDC, Andheri (East), Mumbai - 400 093. India | Email: [ultratech.care@adityabirla.com](mailto:ultratech.care@adityabirla.com)  
Website: [www.ultratechcement.com](http://www.ultratechcement.com) | Toll Free: 1800 210 3311

