



# UltraTech

## WEATHER PRO

### TOP-SHIELD EZY

HYBRID WATERPROOF COATING

UltraTech Weather Pro Top-Shield EZY is a single component water-based Hybrid PU Flexible waterproof coating, that offers dual protection—waterproofing and heat reduction. Its advanced Acrylate-PU hybrid technology forms a strong, seamless layer that bonds well to surfaces, ensuring long-lasting protection and performance.

## Areas of Application

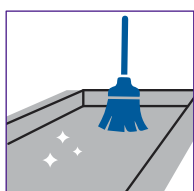
- Over new/existing flat/sloped roof surface
- Conventional systems like Brick-Bat Coba, IPS, screed, etc.
- Refurbished roofs

## Features & Benefits

- Excellent flexibility with crack bridging ability up to 2mm width
- Water resistance up to 5 bar water pressure @500 microns Dry Film Thickness (DFT)
- Reduction in surface temperature of roofs up to 10°C\*\*
- The coating is UV resistant with better resistance to long term weathering
- Water based eco-friendly coating with low VOC
- Resistant to growth of algae & fungi
- Water Vapour permeable coating

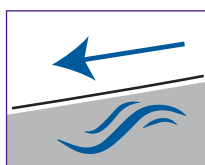
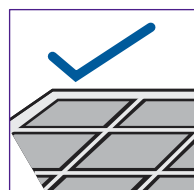
\*\*With white shade as top coating.

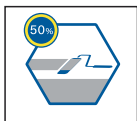
## Method of Application



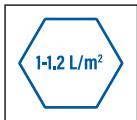
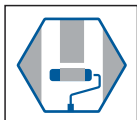
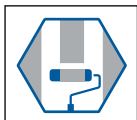
### Surface Preparation

- Thoroughly clean the surface and wash the substrate with high speed water jet/ intense wire brushing to make it free from all dirt, dust, laitance, grease, oil and loose particles. The roof substrates having algae, mould or fungus should be subject to suitable fungicidal treatment or bio-wash. Any existing bitumen coatings be removed completely.
- Freshly laid cement-sand screed, IPS surfaces should be cured properly for 4-6 weeks before application of coating.
- Ensure proper roof slope is already provided and the undulations on the surface are levelled to prevent water stagnation. Treat the undulated area by removal and replacing with Polymer modified mortar (PMM) containing Seal & Dry SBR or other appropriate product from UltraTech ready to use repair mortar.
- Ensure sufficient number of roof water drains are provided for (min. 2 or more outlet of minimum 100 mm diameter for 50 Sqm area) and gaps around pipe inserts should be properly sealed with Tapes / PMM containing Seal & Dry SBR.
- Ensure areas surrounding the installation upstands are rounded with angle fillets with mortar containing SBR.
- For existing old roofs/ terraces with brickbat coba or cement screed, check for the soundness of the substrate using a small hammer. Treat the unsound areas, hollow surfaces using PMM prepared using Seal & Dry SBR/Repair Mortar. Brick bat jointing mortar can be restored by mixing and using Seal & Dry SBR with a cement-based slurry.
- Treat the surface cracks using PMM. The expansion joints must be treated using suitable sealants.
- For all shrinkage or non-moving cracks, a proper pre-treatment to be done using Top-Shield EZY with a primer coat followed by neat wet thick coat, reinforced using mesh to soak and allowed to dry. Apply second wet coat to cover same and allow 5-6 hours to cure. The treatment is to be done extending 75 mm either side of attending area. All joints, Corners, angles, critical areas, stress points, drain outlets, parapet wall floor joints (corner rounding) should also be similarly treated as per technique above.





#### Stir the content well before application.



- Ensure the surface is in SSD condition for better results.
- Priming: Apply a coat of Top-Shield EZY (diluted with clean water in the ratio 2:1) as Self-Priming at the rate of 9 - 10 Sq.mtr / litre. Allow the coat to soak in to the substrate and let it dry before further coating
- Allow coating to dry for 4 – 6 hours prior to applying further coats
- Apply two coats of Top-Shield EZY without water dilution by roller or brush or Squeegee with forced coverage @ 2.0 - 2.2 Sq.mtr / litre / coat, with the same application coverage for each coat. Allow intermediate drying time of 4-6 hours between the two coats. Application direction of second coat should be perpendicular to that of the first coat to deliver a DFT of 450– 500 micron. Drying time depends on the prevailing climatic conditions & low temperature and higher relative humidity may delay the drying process.
- Allow the system to air cure for minimum 7 days for better results
- For Parapet wall: Apply two coats of Top-Shield EZY with coverage of 3.3 -3.7 Sq.mt/ litre/ Coat.
- Post application, Allow the waterproof coating to cure for a minimum of 7 days before conducting flood or pond testing. For the test, maintain a water level of up to 50 mm for a duration of 24 hours and maximum 48 hrs.

#### Maintenance & coating with TOP-SHIELD EZY

On weathering over time or some years due to exposure or extreme temperature changes, if any damage is caused on the coating of Top-Shield EZY, it can be rectified easily with a localised recoat over it again. Placing a glass fibre mesh over a recoat on any damaged surface, after properly cleaning and sanding the surface. Ensure that the applied coats are free from any voids or gaps and apply two coats to any areas that remain uncoated. After the second coat allow to dry for overnight.

## Coverage

System: Self Priming +2 undiluted coats: 1.0- 1.1 sq. m/ L \* to achieve DFT 450–500 microns

Parapet Wall: 1.65 -1.8 sq. m/ L \*; 2 Coats

\*Coverage depends on the porosity/ texture of the substrate & the surface preparation

## Technical Data

Properties	Standard Specification	Result
Appearance	-	Viscous Liquid
Solid Content, by weight of solids (%)		56±1
Volatile Organic Compounds (VOC), %	IS 101: Part 2: Sec 3: 2015	2.36
Tensile Strength @ 500-micron DFT, MPa	ASTM D 412-2016	Min. 2
Elongation at break, %	ASTM D 412-2016	Min. 250
UV Resistance Accelerated (Weathering 1000 Hrs.), Visual	ASTM G 154 - 2023	Passes
Reduction in surface temperature, °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 345:2015	Passes
Crack bridging, mm	EN 1062-7-2004	2
Depth of water penetration @ 5 bar, mm	EN 12390-8-2019	Nil
Dry film thickness of coating, microns	-	450-500

The values provided are under controlled lab conditions as tested properly by competent approved laboratory.

## Notes

- The Product is not recommended over expansion or moving joints.
- The product is designed for foot traffic and not for vehicular or machine movement.
- Do not apply if the surface temperature is greater than 35°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- Avoid application at extreme temperatures during rains or if rain is expected within 48 hours post application.
- For complete waterproofing treatment of parapet walls coping is necessary. The coating should be terminated below the drip mold on the vertical surface.
- 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 team for any further technical assistance.
- No warranty against dirt pick up on Top-Shield Ezy.
- Reduction of Gloss /Sheen due to weathering process over time.

## Packaging

1L, 4L, 10L & 20L

## Shelf Life & Storage

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

## 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 Ezy is non-flammable.

Month: September 2025



### 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)  
Toll Free No. : 1800 210 3311

