

ROOF CARE | EXCEED 625 ELASTOMERIC

High Build Elastomeric Waterproof Coating
for Exterior & Terraces



Product Description:

Unicrete Roof Care – Exceed 625 is a single component, insulating elastomeric waterproof coating for roofs that will offer a seal against water and heat, waterproofing and insulating in easy steps. This monolithic waterproof membrane provides superior crack bridging and long-lasting tough weather protective seal for exposed (new and old) roof surfaces. Unicrete Roof Care – Exceed 625 combines the benefits of waterproofing as well as heat reduction in a single product. No additional protective coating is required for roof subjected to foot traffic. Easy to apply by brush/ roller.

Application Area:

- Waterproofing of Building Roofs / Terraces – Flat & Slope
- Over Existing cementitious waterproofing treatments like sound brick-bat cobba, concrete screeds, etc.
- Waterproofing on external Walls, Internal Walls, Parapets \ Chajjas
- As a protective coat over waterproofing treatments
- Waterproofing variety of substrates like cement sheets, metal sheets, corrugated sheets etc.

Features & Benefits:

- **Economical** - Single component, ready to use thus labor saving
- **Cold Applied** – No heating or mixing required, applicable by brush or roller.
- **Ease of application** – No breaking of old roof or substrates, waterproofing over existing terrace.
- **Good Adhesion** – Bonds strongly to the variety of substrate
- **Crack bridging** – High flexibility of materials enables it to bridge hairline cracks effectively.
- **Waterproofing** – Tough durable elastic membrane with > 200% elongation.
- **Abrasion resistant** – Suitable for light foot traffic
- **Durability** – Durable film withstands heavy rains & extreme weather conditions.
- **Elastomeric** – High elasticity easily withstands stress caused by thermal expansion & contraction
- **Bright white** – Heat Reflective and UV resistant top coat
- **Toxicity** – It is non-toxic in nature
- **Anti-carbonation** – Excellent barrier to CO₂, chloride and sulphate ions.

Method of Use:

Surface Preparation

- The surface shall be cleaned to remove all dust, foreign matters, loose materials or any deposits of contamination.
- Surface cleaning process can be carried out by scarifying, grinding, water blasting, sand blasting and acid washing or by any other approved method. Treat any areas affected by Algae, moss or fungal growth with biocide wash solution.

Surface Leveling

- All surface cracks up to 5 mm width should be filled up with Unicrete Crack Aid 35 Paste.
- Cracks more than 5 mm and all separation gaps or depressions found should be filled and leveled using Unicrete Latex 705 modified repair mortar or as specified
- Ensure that the roof slope of a minimum of 1 in 100 is already provided.
- In existing old terraces with brickbat cobba or screeds, the substrate must be checked for its soundness, Damaged or hollow portions, sharp edges, remove any weak surface layer etc. up to slab level. Just before laying the Polymer modified mortar screed, reinstate the surface with bond coat slurry mix with Unicrete Latex 705 in the ratio of 1:1 (1 part Latex 705: 1 part Cement) Note - care being taken that this does not dries before the mortar, screed is placed.
- Level the surface with polymer modified mortar mixing with Unicrete Latex 705 up to 10 to 15% by weight of cement in the cement sand ratio of 1:3.

Priming Coat:

- After the proper surface preparation and curing of repaired areas clean the surface well and maintaining it in saturated surface dry condition proceed for priming.
- Finally, vacuum cleaning can be done if required to get dry surface condition, in no case there should be any moisture
- Dilute Unicrete Roof Care Exceed 625 with clean water in ratio of 2:1 (2 parts Coating with 1-part water) and stir thoroughly.
- Using Brush or roller, apply the primer coat over the surface maintaining the spreading rate of 9 – 10 m² / Litre / Coat.
- Allow, primer coat to dry for 4 – 6 hrs.
- Primer Coat acts as bonding layer between elastomeric coating and the treated surface.

Waterproofing Coating Application (New & Old Surfaces):

- Stir well contents in drum prior to application. The application can be done with a roller or brush.

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- After the primer coat is completely dried apply two coats of Unicrete Roof Care Exceed 625.
- Using Brush or roller, apply 1st coat of Unicrete Roof Care Exceed 625 coating without any dilution over the dried primed surface, maintaining the spreading rate of 2.0 – 2.1 m² / Litre / Coat application rate.
- After an interval of 6 – 8 hours, apply 2nd coat of Unicrete Roof Care Exceed 625 coating without any dilution, maintaining the spreading rate of 2.0 – 2.1 m² / Litre / Coat application to achieve about 450 – 500 microns DFT.
- For better results Use Non-woven fiber mesh fabric embedded into 1st coat of coating while still wet.
- Non-woven fiber mesh fabric is used as a reinforcement to enhance tensile properties especially for large area applications.
- For large terrace areas, if required apply 3rd coat of Unicrete Roof Care Exceed 625 same rate of application as before perpendicular to that of the 2nd coat.
- For vertical surfaces: Apply two coats of Unicrete Roof Care Exceed 625 / Wet Coat Classic 515 with forced coverage of maximum 3.0- 3.5 Sq.mt/ litre/ Coat application rate.
- Ensure that the coating is done up to a height of minimum 300 mm on the side & parapet walls
- All brushes and tools should be cleaned by water immediately after use.
- Alternate coats are applied perpendicular to each previous coat in order to ensure complete coverage of surface.

Curing:

Allow the system to air cure for 3 days minimum for foot traffic and water pond test. Conduct ponding test by filling water up to 50 mm height for 72 hours post air curing to ensure leak-free terrace. Ensure curing is complete before laying thermal insulation boards, mechanical protect and other coverings. Low temperatures and high atmospheric humidity will slow down the curing rate and vice versa.

Precautions & Limitations:

- Do not dilute to achieve desired results.
- Do not apply in direct sunlight or during rains or expected rain within 48 hours of application
- Do application always at pre-specified rates to achieve recommended DFT for full coverage.
- Do application when ambient temperature must be in range between 10°C to 35°C
- Do not apply to flat surfaces with poor drainage or where ponding water will exist.
- Do not apply Unicrete Roof Care Exceed 625 over expansion or moving joints directly.
- All surfaces should be structurally sound, clean and free of all dirt, oil, grease, concrete sealers or curing compounds.
- All corners, gaps, joints, Roof leak repair area & outlets shall be coated with two extra coats with prior proper packing treatment to be done.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipment.

Note to the Applicator:

- Coated surface must be inspected and cleaned bi-annually to maintain overall reflectivity properties, this will help maintain your overall aesthetic appearance and preserve Unicrete Roof Care Exceed 625 coating due to environmental factors (such as accumulation of dirt, growth of mold, mildew or algae). Excessive scrubbing should be avoided.
- Durability of coating is determined by the application process, the weather conditions during and after application, the suitability & quality of the workmanship and the total applied coating thickness.
- To achieve the full proof waterproofing, parapet walls should be covered with Unicrete Wet Coat Classic 515 system
- Any large area more than 300 Sq.mtr, please consult Unicrete Technical service team.

Technical Data:

Parameters	Typical Results	Result
Appearance		Smooth thick Paste
Surface Drying Time @ 25° C		15 – 20 min
Tack Free Time @ 25° C		10 -12 hours
Density		1.3 kg / Litre
Solid Content by Weight %	ASTM D 1644-01	60 ± 2
Shore A Hardness	ASTM D 2240	55 - 60
Initial Elongation at break, %	ASTM D 6083	> 300 %
Tear strength N/mm	ASTM D 624	23
Crack Bridging Capacity	ASTM C 836	> 2 mm
Permeability,	IS 2645	Nil
Pull off Adhesion, Mpa	ASTM D 4541	> 1.5 Mpa
Weather Resistance		No evidence of cracking, Deterioration & loss of flexibility

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Theoretical Coverage *

Unicrete Roof Care Exceed 625

Self-Priming Coat: 9 – 10 m² / Litre / Coat

1st Coat Exceed 625: 2.0 – 2.1 m² / Litre

2nd Coat Exceed 625: 2.0 – 2.1 m² / Litre

* **Note:** - Coverages may vary and depend on the porosity and undulations of the surface and application rate. Coverages mentioned here are for reference only and calculated under lab trials. Unicrete advices our customers to make trials in sample first to check coverage as per their application & usage before going to full scale applications

Note to Specifier:

For more precise calculation for coverages, please connect Unicrete Technical Services prior application and full-scale usages.

Pack Size:

Unicrete Roof Care Exceed 625 is available in 20 Kg, 50 Kg & 200 kg Plastic pails or drums.

Shelf Life & Storage:

- Best before 24 months from the date of manufacture when sealed pack and stored under proper conditions
- Store in a dry cool place in temperature range of 5 °C to 30 °C and 50% RH in sealed condition.
- Do not allow to freeze. Keep away from direct sunlight.
- Keep the material in close when not in use.

Health and safety instructions:

Unicrete Roof Care Exceed 625 is non-toxic. Any splashes on skin should be washed well with water. If contact with eyes occurs, it shall be washed well with plenty of water and medical advice sought immediately.

Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application

Keep out of reach from children

Fire:

Unicrete Roof Care Exceed 625 is non-flammable.

Other Products Categories available:

Unicrete brings you the widest range of Construction Chemicals



Availability and Cost:

UNICRETE™ materials are available across INDIA For more information please contact

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