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Terraseal™

Non Bituminous, Weather Resistant, Moisture Barrier & Vapour Permeable, Permanent Waterproof Coating for Facades

- ASTM E84 Class A Certified (FSI “o” & SDI “o”) Product
- GBRS / DCL - Al Safat Compliant
- Dubai Civil Defence Approved
- Sharjah Civil Defence Approved
- Umm Al Quwain Civil Defence Approved

Protective Coating for Facades



The House of Scandinavian Finishing Materials

Terraco Terraseal™ is a specially developed 2-component polymer modified cementitious, weather resistant, moisture barrier and vapour permeable, permanent external coating system for facades prior to curtain wall, aluminum cladding, EIFS installation or any non-load bearing assemblies.

Based on the updated UAE Fire and Safety Code requirement for facade protection coatings, Terraco offers a permanent and environmentally friendly solution, as an alternative to a bituminous based moisture barrier behind aluminium and / or glass cladding, with Terracoat Terraseal, an ASTM E84 Class-A fire rated product with “o” surface burning & “o” smoke development.

The product is supplied as a 2-component, powder (cement based) and resin (acrylic based) system, to be mixed on site before application. This cementitious acrylic waterproofing slurry is easily applied by brush or spray to give a firm, flexible, jointless waterproof and protective coating.

Benefits

- Low VOC
- Easy to mix and apply
- Seamless permanent waterproofing
- Tough durable coating
- Good adhesion to dimensionally stable substrates
- Resistant to alkalinity
- Vapour permeable - allows substrate to breathe
- No water addition required
- No erosion or cracking
- DCD & GBRS approved product
- ASTM E84 Class A fire rated (“o” surface burning & “o” smoke development)

Tools:  Brush  Spray

Areas of use

Any masonry & concrete facades



Mixing ratio

15kg powder: 5kg resin. Add powder to resin and use a high speed mixer with spiral head attachment to achieve a lump free homogeneous mix.

Application procedure

- Ensure all dirt and foreign matter are cleaned off the areas to be coated.
- Remove any ridges or form oil. Dusty or flaking surfaces must be cleaned thoroughly, then primed with Penetrating Primer Clear or Terrabond A (diluted 1:3 with water).
- Apply Terraseal onto the water saturated substrate in a minimum of 2 coats, each at right angles to the other; to achieve a total thickness of 1.0-1.5 mm.
- Do not re-temper mixed Terraseal with additional water.
- For spray application please consult your local Terraco Technical Department. If spraying, add only enough water to bring product to the correct sprayable consistency.
- During brush application, ensure that the Terraseal slurry mix is pressed firmly onto the substrate to ensure maximum adhesion and that all pinholes, cracks, honeycombing etc. are thoroughly filled and sealed.



Cleaning of tools

Tools and equipment should be cleaned with water immediately after use.

Product Details	
Colour	Grey and natural white
Specific Gravity	1.85 ± 0.05
pH	11-13
Pot Life at 30° C	2 hours
Overcoat Time at 30° C	6 hours
Yield	10.5 litres / 20 kg pack
Resin : Powder Ratio	1.0 resin: 3.0 powder by weight
Material Consumption	Approximately 1.9-2.9 kg/m ² (mixed)
Application Thickness	1.0-1.5mm
Coats	2 (Minimum/coat-0.50mm and maximum/coat-1.0mm)
Min./Max. Application Temperature	5° C to 40° C
Packaging	20kg kit (resin 5kg jerrican and powder 15kg paper bag)
Storage	12 months in original unopened packaging

Limitations

Terraseal is not designed for continuous immersion in water.

Do not apply during rising temperatures to avoid the risk of out-gassing resulting in pin-holing.

Do not apply on bituminous coating.

Compliance Tests	
Adhesion Strength (ASTM D 4541)	≥0.5 N/mm ²
Reduction in Water Absorption (ASTM D870)	>90% reduction in water absorption
Surface Burning Characteristics (ASTM E-84)	FSI "0" & SDI "0"
Tensile Strength (ASTM D412)	1.13N/mm ²
VOC (USEPA 24)	<5 (g/l)





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