

REDISEAL 250

Liquid applied polyurethane
waterproofing membrane



Description:

REDISEAL 250 is a premium ,liquid-applied , highly permanent elastic, cold applied and cold curing , one component polyurethane membrane used for long lasting waterproofing .Cures by reaction with ground and air moisture. It is based on pure elastomeric hydrophobic polyurethane resin which results in excellent mechanical, chemical, thermal UV and natural element resistance properties.

Uses:

- Waterproofing of roofs, balconies, terrace and verandas
- Waterproofing of wet area in bathroom, kitchen, balconies, auxiliary rooms, etc.
- Waterproofing of pedestrian and vehicular traffic decks
- Waterproofing of green roofs, flowerbeds, planter boxes
- Waterproofing of old bitumen felts, asphalt felts, EPDM and PVC membrane and old acrylic coating
- Protection of polyurethane form insulation
- Waterproofing and protection of concrete construction like bridge-decks, tunnels, stadium stands etc.

Advantages/Characteristics:

- Simple application, Resistance to water and frost and roof penetration applied form seamless membrane without joints
- Provides excellent thermal resistance, it never turns soft, weather and UV resistance
- Waterproof old bitumen- asphalt felts by covering them

- Provide high sun reflectivity, contributing to thermo insulation
- Provides excellent adhesion to almost any type of surface
- Waterproofed surface can be used for domestic an public pedestrian and vehicular traffic
- Resistance to detergents, oils, seawater and domestic chemicals
- Even if the membranes gets mechanically damaged , it can be easily repaired locally with in minutes
- Does not need the use of open flames during application

Company Standard Compliance:



Technical Information:

Properties	Specification
Elongation at Break (ASTM D 412 / DIN 52455)	> 600 %
Tensile Strength(ASTM D 412 / DIN 52455)	> 4 N/ mm2
Crack Bridging Capacity	up to 2 mm crack
Resistance to Root Penetration	Resistant
Final Curing time	7 days

Water Vapor Permeability (ISO 9932:91)	> 25 gr/m ² /day
Resistance to Water Pressure(DIN EN 1928)	No Leak
Adhesion to concrete(ASTM D 903)	>2.0 N/mm ²
Hardness (Shore A Scale) (ASTM D 2240)	65-70
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.

Application Procedure:

Surface preparation:

- Careful surface preparation is essential for optimum finish and durability. It need to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane.

Priming:

- Prime absorbent surface like concrete, cement screed with rediseal 710 or surface like bitumen-asphalt felts with rediseal 730 or with rediseal aqua primer prime non -absorbent surfaces like metal and old coating with rediseal aqua primer allow the primer to cure according its technical instruction.

Repairs of cracks and joints:

- Clean concrete cracks and hairline cracks of dust, residue or other contamination .prime locally with the REDISEAL 710 primer and allow 2-3 hours to dry fill all prepared crakes with REDISEAL sealant then apply a layer of REDISEAL 250, 200 mm wide centered over all crakes and while wet cover with a correct cut stripe of the REDISEAL fabric press it to soak. Then saturate it with REDISEAL 250 and allow to cure for 12 hours.
- Clean concrete expansion joint and control joint of dust, residue, widen and deepen joint if necessary. The prepared movement joint should have a depth of 10-15 mm. the width depth ratio movement joint should be at a rate of approx. 2:1 Apply some REDISEAL joint sealant on the bottom of the joint only then with a brush.

- Apply a stripe layer of REDISEAL 250, 200 mm wide centered over and inside the joint place the REDISEAL fabric over the wet coating and with a suitable tool, press it deep inside the joint, until it is soaked and the joint is fully covered from the inside, then fully saturated the fabric with enough REDISEAL 250. Then place a polyethylene cord of the correct dimensions inside the joint and press it deep inside onto the saturated fabric. Fill the remaining free space of the joint with REDISEAL PU sealant.

Water proofing membrane:

- Stir well before using, pour the REDISEAL 250 onto the primed surface and lay it out by roller or brush, until all surface is Covered. After 12-18 hours apply another layer of the REDISEAL 250. For demanding application, apply a third layer of the REDISEAL 250.

Coverage:

1.4- 2.5 kg/m² applied in two or three layers

This coverage is based on practical application by roller onto a smooth surface in optimum condition Factors like surface porosity, temperature and application method can alter consumption.

Curing:

Normal good curing practice should be adopted.

Packaging:

REDISEAL 250 is supplied in 20 kg packs.

Storage:

Minimum of 12 months shelf-life if kept under room temperature (i.e. 27°C).

Health & Safety:

- During application wear protective clothing, gloves and eye goggles during application.
- Avoid product to contact eyes and skin:
- Skin Contact: Wash immediately with plenty of clean water.
- Eye contact: In the event of eye contact splash plenty of clean water immediately and seek medical advice.
- REDISEAL 250 contains isocyanates. See information supplied by the manufacturer. Please study the Material Safety Data Sheet.



Country: India

RCPL/QA/025-00

issue Date: 01.12.2024



REDWOP CHEMICALS PVT. LTD.

Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat 360005 India

✉ info.redwop@gmail.com 🌐 http://redwop.net ☎ 9724655551 📞 0281 2576664