

CIS SUPERBOND PU 267

PU BASED WATERPROOFING MEMBRANE

PRODUCT CATEGORY: WATERPROOF POLYURETHANE COATING

PRODUCT DISCRIPTION

Description CIS SUPERBOND PU 235 is liquid-applied, highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing. Solvent based with low VOCs properties. CIS SUPERBOND PU 235 is based on pure elastomeric hydrophobic polyurethane resins, which result in excellent mechanical, chemical, thermal and natural element resistance properties. CIS SUPERBOND PU 235 reacts with ground and air moisture to cure..

APPLICATION AREAS

- Waterproofing of Wet Areas in Bathrooms, Kitchens, Balconies
- Metal and asbestos roofs
- Swimming Pool, artificial lakes and ponds
- Roof gardens , Retaining wall and foundations
- Auxiliary Rooms , Roofs/ Metal/ Asbestos, Terraces and Podiums (to be protected with screed), etc.
- Can be coated only from positive side on substructure
- Cut and cover tunnels,

METHOD OF APPLICATION

SURFACE PREPARATION

Old & Fresh Concrete Surface

- Allow fresh concrete to cure 28 days.
- Concrete surface must clean, strong, free of all loose dirty materials, and dust free, oil stain, wax, liquid coating/paint, concrete curing agent, grease or other stains that would affect waterproof coating adhesion.
- Concrete surface where there laitance, algae, mould, remove them with grinding machine and clean surface afterwards.
- Prepare cement surface or mineral mix cement surface by cleaning by using grinding machine or chipping machine to remove all defect surfaces such as peel off surface, weak concrete, cavities, etc. Do not use water to clean surface to prevent accumulation of moisture. Use grinding machine or chipping machine to smoothen surface and remove all loose dirty materials, sweep off or use blower to blow off dirt or vacuum cleaner to suck in dirt.
- WARNING: Do not wash surface with water.



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SURFACE LEVELLING

- Surface must be smooth, for laitance remove laitance surface by saw concrete or scrubbing down with wire brush.
- Adjust slope 1:100 on roof terrace application to allow water to drain.
- All surface area must be smooth and any defects concrete surface can be apply by use structure repair cementitious mortar CIS HYBRID POLYMER to fill in damage area, afterwards allow repair area to cure for 7 days prior to other work.
- WARNING: Do not wash surface with water.

REPAIR CRACKS & PLUG HOLES

- For concrete surface with, weak concrete, peel off surface, hollow sound check from knock at concrete condition remove by grinding machine or chipping machine till reaching strong concrete.
- For concrete surface with pinhole or honeycomb can be apply by using structural repair cementitious mortar CIS HYBRID POLYMER to fill in defects area, afterwards allow repair area to cure for 7 days prior to other work.
- For concrete surface with >3mm crack, groove U shape on crack area to big enough for apply PU Sealant to seal crack and allow to cure a day prior to working on area.
- Clean concrete expansion joints and control joints of dust, residue or other contamination. Widen and deepen joints (cut open) if necessary. The prepared movement joint should have a depth of 10-15 mm. The width: depth ratio of the movement joint should be at a rate of approx. 2:1. Fillet on joints wall and floor
- For concrete wall and floor should be made fillet/chamfer with PU Sealant. Allow sealant to cure for a day prior to other work.
- Any corners or angles should be cut.
- Apply a coat of CIS SUPERBOND PU 235 200 mm wide centered over all large cracks and while wet, cover with a correct cut stripe of the Geotextile Fabric. Press it to soak.
- Saturate the Geotextile Fabric with enough CIS SUPERBOND PU 235 until it is fully covered.
- Allow 12 hours to cure.

MIXING

- CIS SUPERBOND PU 235 is premix product; stir content till a homogenous paste is form prior to applying.
- Do not add more water when mixing.

APPLICATION

Pour the CIS SUPERBOND PU 235 onto the primed surface and lay it out by roller or brush, until all surfaces is covered. You can use airless spray allowing a considerable saving of manpower. After 12-18 hours (not later than 48 hours) apply another layer of the CIS SUPERBOND PU 235

- For demanding applications, apply a third layer of CIS SUPERBOND PU 235. Reinforce always with the geotextile fabric at problem areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts

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(siphon), etc.

- In order to do that, apply on the still wet CIS SUPERBOND PU 235 a correct cut piece of geotextile fabric, press it to soak, and saturate again with enough CIS SUPERBOND PU 235

FINISHING

- Allow 1st coat to dry 1 to 2 hours prior to applying 2nd coat perpendicularly, do not add more water in mixture when applying
- When applying floor to wall joint apply top coat at least 30 cm height above floor level
- Allow top coat to cure 7 days after applying application steps above prior to opening to traffic

COVERAGE

1.2 – 1.5 kg/m² total consumption when applied in two or three layers at 1 mm approximately dry film thickness

PACKAGING

CIS SUPERBOND PU 235 is supplied in 25 kg, Barrels. The CIS SUPERBOND PU 235 is supplied in white.