PRODUCT DATA SHEET

KODEX 300 UV

DOUBLE CROSSLINKED COPOLYMER MEMBRANE WITH EXCELLENT CRACK-BRIDGING FOR ROOF WATERPROOFING

Kodex
Sealants & Waterproofing

DESCRIPTION

KODEX 300 UV is a liquid crack-bridging membrane product based on a unique double crosslinked copolymer system. It does not contain plasticisers or oils that can leach, degrade or contribute to dirt-pickup. KODEX 300 UV is used as a fully exposed membrane or a crack-bridging basecoat, or beneath a tiled mortar bed . It can withstand occasional light foot traffic. The product is water-based yet offers strong resistance to waterponding. The cured membrane combines exceptional flex and elasticity for good crackbridging properties with good tensile film strength. KODEX 300 UV has excellent resistance to UV, colour fade and chalking. KODEX 300 UV membrane is easily maintained, recoated and repaired .The water content is low which enables fast drying, and thick films to be built up quickly. The product is supplied as a thixotropic liquid, which is easily applied to both vertical and horizontal surfaces. It complies fully with the test requirements of AS:4858-2004 “Wet Area Membranes” and passes at Class III, the highest level in the Australian standard

FEATURES

- Single component, water-based
- Exceptional elongation & crack bridging
- Excellent water resistance
- UV resistant
- High Solids
- Ease of application – roller/spray/brush
- Excellent adhesion to concrete, brick, FC sheeting and render.
- Non-hazardous, low odour

PACKAGING

- 15 Litre

TYPICAL PHYSICAL PROPERTIES

Colour	Pale Grey (other colours on request)
Weather Resistance	Excellent, pass +1000 hrs QUV Weatherometer, 200Q hrs UVa
Dry Time	2-4 hours @ 25°C, 50% R.H.
Recoat time	4-6 hours @ 25°C, 50% R.H.
Coverage	Total 2.0 litre/m min. Apply as 2 or more coats, each coat at 1.0 litre/m 2 As a basecoat, total 1.0 litre/m minimum as 1 to 2 coats.
Dry Film Thickness	1.2 mm minimum
Elongation	+ 550% @25°C
Tensile Strength	1.3MPa @25°C
Solids Content	60% by volume
Shelf Life	8 months in unopened containers @ 20°C
VOC	9.0 g/L Green Buiding Council Compliant

USE AREAS

- Exposed roofs & parapet walls
- Decks & podiums
- As a crack-bridging basecoat
- Topcoating of mineral surfaced bitumen membranes

CONDITIONS

It is generally accepted as good practice for "flat roofs" to be designed to clear surface water as rapidly as possible. Ensure that the roof area has adequate drainage and fall, preferably at least 1.25%, i.e. 12.5 mm fall in 1 metre. Use a sand & cement screed to ensure adequate drainage and to fill all low spots that will not drain freely. A brush or wood float finish to concrete surfaces is ideal for adhesion. If used to waterproof beneath tiled mortar beds, allow KODEX 300 UV to dry thoroughly between coats. In winter & autumn, application in the warmest part of the day is recommended. Do not apply Kodex E50 or KODEX 300 UV below 10°C ambient . Do not apply KODEX 300 UV above 30°C or in hot windy conditions. Excessively thick application in hot windy conditions is not advised. Do not apply during wet weather conditions, or if impending rain is likely.

SURFACE PREPRATION

Good surface preparation is essential for optimum performance. Concrete that has been trowel finished to a smooth surface must have all laitance removed. Remove all dust, loose particles, contaminants and curing compounds. Use sugar soap detergent and water followed by thorough rinsing to clean old concrete and other surfaces such as mineral topped bitumen. If necessary water blast unsound or powdery concrete surfaces. Fill and treat all voids, dents and non moving cracks. Consult Kodex for technical advice regarding moving joints and cracks. Concrete must have a minimum strength of 20 MPa and be cured a minimum of 28 days. Ensure surfaces after preparation are as dry as possible before priming.

PRIMING & DETAILING

Prime with Kodex E50, following the product's technical data sheet. It is essential that the application of the primer is carried out correctly. Allow the final coat of primer to dry thoroughly overnight. Next, apply Kodex Fast Cure PU Sealant at all horizontal and vertical junctions such as floor to wall, and wall to wall. Apply a neat smooth fillet about 12mm x12mm. Remove all sealant residues and overhangs. The sealant can be coated after a good skin has formed (approx. 1 hour).

APPLICATION

Ensure that the primer is thoroughly dry and cured. Apply Kodex 300 UV by brush/roller or airless spray in at least two or more coats to achieve a total minimum dry film thickness of 1.2 mm. Do not apply in one thick coat.

Allow to dry as long as possible between coats. When dry check for pinholes and thin areas, and recoat if necessary. If membrane becomes dirty or damaged between coats, clean with water and recoat. Spills and tools should be cleaned with water before Kodex 300 UV has dried

TOP COATING WITH OTHER FINISHES

Kodex 300 UV is ideal as a basecoat as it has very high elongation to absorb movement and bridge cracks. Kodex 300 UV can be top coated with:

- Kodex armor to provide a range of colours.
- Kodex 300 UV to provide a proven solar reflective cool temperature surface
- Kodex 300 UV NS for a fully foot trafficable surface.

MAINTENANCE

then timely repair of any damage and deterioration by thorough cleaning using a little sugar soap and water, followed by thorough rinsing. When dry, apply Kodex 300 UV.

HEALTH & SAFETY Refer Kodex MSDS prior to use.