PRODUCT DATA SHEET

KODEX PU TOP COAT

Provides Greater UV Protection & Colour Fastness For Membranes

Sealants & Waterproofing

DESCRIPTION

Kodex PU Top Coat is single pack, aliphatic polyurethane waterproofing top coat which has been formulated as a complimentary and compatible top coat for UV Compatible Polyurethane membranes. Aliphatic technology provides greater UV protection, colour fastness and anti-chalking properties and is designed to extend the life of exposed aromatic polyurethanes. Kodex PU Top Coat forms a tough, flexible, seamless, highly UV stable, waterproof coating. Kodex PU Top Coat meets the 'Green Star' environmental criteria.

FEATURES

Kodex PU Top Coat represents the highest standards in aliphatic polyurethane waterproofing technology and provides the following benefits and advantages:

- Provides excellent UV protection.
- Extends the life of the waterproofing membrane system.
- Meets the 'Green Star' environmental criteria.
- Single pack - no mixing.
- Curing (usually within) 24 hours.
- Permanently flexible
- Suitable for immersion in water.
- Good chemical resistance.
- High strength and puncture resistant.
- Provides seamless membrane (no joints or laps)
- Easily repaired and or maintained.
- Easy to apply.
- Can withstand light foot traffic.

USE AREA

Kodex PU Top Coat is primarily formulated as a highly UV stable top coat over Compatible Polyurethane membranes to give greater long term UV protection and colour fastness thereby extending the life and performance of the waterproofing membrane.

TECHNICAL INFORMATION

Appearance (dry film)	Grey, glossy
Tack-free Time	8 hours at 25°C & 50% R.H. , 0.15 mm film.
Cure	24 hours. Light foot traffic only after 24 hours.
Weather Resistance	2000 hours QUV, no crazing, spalling or softening.
Solids Content	80%
Tensile Strength Max.	7.0 MPa, AS/NZS 1683.11
Elongation at break	270%, AS/NZS 1683.11
Tear Strength	28 N/cm, ASTM D-1004
Hardness	68 Shore A. AS 1683.15
Abrasion Resistance	0.1mm depth, 500 cycles, CS-10 wheel, AS1580.403.2 (non-trafficable)
Chemical Resistance	No visible effect, 16 hrs, 40°C: 20% detergent, auto coolant, kerosene, motor oil, caustic solution (pH 13.5)

LIMITATIONS

Suitable for maintenance foot traffic and not intended as a general trafficable membrane.

PRECAUTIONS IN USE

Risk is considered low when properly used but precautions on can, label and / or data sheets should be observed. Do not use in confined areas with poor ventilation. Uncured product is flammable.

PRIMING AND SURFACE PREPARATION

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

As its main purpose is to be applied over cured Polyurethane Membrane, it can be applied as follows:

Providing the existing membranes are clean, dry and that the Kodex PU Top Coat is being applied within 48 hours of applying the Kodex membranes - no other preparation is required.

SUITABLE SURFACES

Kodex PU Top Coat have been formulated as top coat over Polyurethane Membrane.

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional work as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the company in writing. When dry check for pin holes or misses and rectify if necessary.

SLIP RESISTANT FINISH

The following slip resistance rating was achieved by broadcasting 250gms of Kodegrit aggregate per square metre of applied Kodex PU Top Coat.

TEST	RATING	TEST METHOD
Dry Friction (with Kodegrit)	D1	(AS 4586)
Wet Friction (with Kodegrit)	P5	(AS 4586)

APPLICATION

Apply Kodex PU Top Coat to Polyurethane Membrane by brush, roller, broom and squeegee usually in one or two coats at the rate of 3m^2 per litre per coat, so that the minimum dry film thickness is 300 microns.

COVERAGE

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Kodex PU Top Coat : Generally, 3m^2 per litre per coat.

DRYING AND CURING

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Generally Kodex PU Top Coat is weather resistant within 6 to 8 hours with full cure within 24 hours.

STORAGE

Keep in cool, dry place away from heat, flame, combustible material and all sources of ignition. Product contains flammable solvents. Class 3 dangerous goods must be declared prior to transportation. Available in 15 lt pails.

Self life: 6 - 12 months in unopened container but best used within 6 months. As this is a polyurethane some skinning of the product may occur. This should be cut out and removed. Balance of the product will be suitable for use.

CLEAN UP

Avoid spills. They are difficult to clean particularly off porous surfaces. Wet spills use a cloth and Kodex Solvent. Do not clean off carpets as it is better to allow product to cure and then shave the carpet. Equipment should be immediately cleaned with Kodex Solvent.

TILING, TOPPING OR TOP COATING

Generally not covered, although membrane may be covered with drainage cloth and pebbles, ensuring not to damage membrane.

SAFETY & PRECAUTIONS

Kodex PU Top Coat is solvent based. The use of solvent resistant gloves and goggles arerecommended. Use in ventilated areas. If spraying, in confined areas the use of self contained breathing apparatus is recommended. If swallowed do not induce vomiting, give plenty of water to drink. Seek urgent medical advice. If in eyes, flush thoroughly with clean water, holding open lid to ensure any trapped product may be flushed away. If on skin, remove contaminated clothing and wash skin with soap and water.

If inhaled, unlikely due to viscosity of the product, remove person to fresh air and apply artificial respiration if required and seek urgent medical attention. Product is flammable when wet. Keep away from all sources of ignition. Ensure adequate ventilation. Vapours may collect in low lying areas.

Not suitable for use in areas of ponding water. Do not allow ponding to occur between coats or before system is fully cured.

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.