

Ecodur PU 22C

Polyurethane Clear Coat

Description

Ecodur PU 22C Clear PU is a high solid content, two-part transparent solvent based polyurethane resin coating. It is specially formulated to provide a durable, UV resistant protective coating system.

- Excellent UV Resistant
- Solvent Based
- High Chemical resistant
- Dustproof
- Transparent finish
- High Abrasion resistance
- Protection from UV light – prevent discoloration of epoxy coating finish
- Excellent adhesion to most type of substrates

Fields of application

- Floor protection against aggressive acids, alkalis and mineral oil, hydrocarbon, chlorides etc
- Protective seal coat to parking decks, industrial floors, warehouse and medium / high traffic areas
- Protective sealer to Flakes finish, Quartz finish and Colored topcoat, terrazzo decorative concrete surfaces

Technical data

Working Properties

Dry Film Thickness	0.10 mm per coat
Pot Life	45 minutes
Recoat Time	6 hours
Open to Light Traffic	12 hours
Full Cure	7 days
Mixing Ratio	2 Part A; 1 Part B by weight

	Part A	Part B
Supply form	liquid	liquid
Colour	Transparent	White
Density	1.05 kg/l	

Test	Test Method	Results
Abrasion Resistance	ASTM D4060	<25mm
Pull-Off Adhesion Strength	ASTM D4541	>3 N/mm ²
Shore A Hardness	ASTM D2240	70

Directions to use

Substrate preparation

Assure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Shot-blast or grind areas to be coated. Patch and level depressions and protrusions on the substrate.

Mixing

Mechanical mixing is required for **Ecodur PU 22C**. A low speed drill mixer is recommended. Stir component A & B individually first for about 30 seconds. Mix 1 component B slowly and add 2 component A. Continue to mix for 2 – 3 minutes. Mix until the mixture is even colour. Use the mixture within 45 minutes.

Application

Apply the coating by brush or short hair roller in 2 to 3 coats, the 2nd and 3rd coat applied after the initial coat has achieve touch dry of a minimum 6 hours.



Curing

Ecodur PU 22C is chemical curing. The curing time is depending on the ambient temperature, relative humidity and the quantity mixed and placed. Under normal circumstances initial curing will take place overnight. The coating will fully be cured in 7 days.

Coverage

Ecodur PU 22C yield a coverage of approximate 40m²/kg at 0.10 mm thick per coat.

Estimated consumption of **Ecodur PU 22C** depends on the surface absorption, roughness, loss and wastage. solvents.

Remarks

- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.
- Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Wear safety gloves.
- Until cured, may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Material should be kept in a cool dry place prior to application.
- Product must not freeze.
- Applications only for interior & exterior finishes.

Packaging

Ecodur PU 22C is available in 3 kg packaging (A+B) in the following mixing ratios:

Component A: 2 kg

Component B: 1 kg

Shelf life

12 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Health & safety

Avoid direct contact with this product. Use of safety glasses, rubber gloves, and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children.

Refer to Safety Data Sheet for complete health and safety information.

Notes

The information included on this Technical Data Sheet is the sole property of SUPERBUILD LTD. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit..