

Durocoat ECO PU-70

Clear Concrete Coating

Waterbased one component polyurethane dispersion coating

Technical Data Sheet

Description

Durocoat Eco PUD clear concrete coating – is an NMP free, aliphatic polycarbonate hydroid polyurethane coating with outstanding properties in regards to adhesion, UV stability and chemical resistance commonly used in various industries. The product is designed as a one component system and no mixing is required. The convenience of the one-component and ease of use is great feature and that it is fast drying. The coating once applied will be touch dry within less than 40 mins @ 25°C. A coating applied on concrete for light stability and toughness.

FEATURES

- One component coating
- Fast drying
- Excellent penetration and adhesion to variety of substrates
- Good flow properties
- Aliphatic and good UV stability
- Water based
- Economically friendly
- Excellent chemical resistance

USES

- Masonry surfaces
- Concrete
- Applications for flake flooring

COMPONENT PROPERTES

Property	Liquid
Appearance	Straw hazy colour liquid
Specific gravity g/cm ³	1.04 ± 0.05
Viscosity @ 25°C	50 – 2500 cps

MIXING AND CURING CONDITIONS

Property	Liquid
Final solids approx.	29%
Dry time	Approx.. <3-4 hours at 25°C at 105 microns
Wet Film per coat	150 microns (Use within 2 to 3 hours)
Specific gravity	1.04 g/ml
Dry film thickness	105 microns
Full Cure @ 25°C and 50RH	2-4 days
Coverage rate	6m ² /L (per coat)
Touch Dry time @ 25°C and 50% RH	30-40 mins
Through dry time @ 25°C and 50% RH	2 – 3 hours

These values are typical properties and are not to be used for specification

APPLICATION

Durocoat ECO PU70 clear concrete coating preparation

No mixing required, shake the container for at least one minute and then stand the container for three minutes before use. Only pour out the amount required for each section to be coated.

Surface Preparation: Ensure the surface is dry and clean remove all dirt, wax and grease.

Application Conditions: Do not apply **Durocoat ECO PU70** when ambient and or surface temperature is below 10°C or above 30°C. on cold days for at least one hour prior to application, warm the container in a warming room at 25-30°C to bring the container up to room temperature.

APPLICATION METHOD:

Decant Durocoat Eco PU70 directly from the container. Cut in the edges with a paint edger or brush, taking care not to proceed more than 2 to 4 meters ahead of the main coating and in particular in hot and dry conditions. Apply at the rate of 6m² per litre with a 10 to 12 mm nap waterborne type roller, disperse into a uniform finish taking care not to overwork the coating allowing it to self level. Do not return used material to the container.

PACKAGING:

Available in 10 litres.

STORAGE:

Durocoat Eco PU70 has a shelf life of 6 months stored in the original containers unopened.

Place out of direct sunlight at temperatures between 15-30°C.

CLEANING:

Clean the tools and equipment with rags, then wipe off the excess. All tools and equipment can be washed up in water. If the **Durocoat Eco PU70** becomes tacky, first rinse off excess with water, then wash off any build-up. You may need to wash further if tackiness remains. Dry roller, brush and all equipment before reusing.

HEALTH and SAFETY:

Please observe the precautionary notices displayed on container. Avoid skin contact and eye contact. Spillage on the skin should be removed immediately with suitable cleanser, soap and water. Eyes should be well flushed with water and seek medical attention immediately.

For the full health and safety hazard information and how to safely handle and use the product, please make sure you refer to relevant MSDS.