



Features

PU Coat Matt Clear is a water-based polyurethane resin dispersion, specifically formulated to provide a durable coating suitable for application on both vertical and horizontal surfaces. It cures to form a smooth, hygienic matt film with excellent resistance to a wide range of mineral and organic acids, fats, alkalis, and oils.

Application

- Hygienic and chemical-resistant UV-stable exterior and interior coating for concrete walls and floors.
- Precast concrete slabs and panels
- Concrete and cement-based screeds and plasters
- Balconies and terraces
- Operation theatres and hygiene rooms
- Industrial areas and walls
- Showrooms, sales rooms, and passageways
- Outdoor exterior coatings with resistance to UV and weathering

Key features include:

- Excellent adhesion and compatibility with all substrates
- Can be applied directly onto concrete walls and floor surfaces
- Forms a smooth, matt, and easy-to-clean surface upon curing
- Lightfast and UV stable
- High chemical resistance
- Solvent VOC-free
- Breathable membrane

Appearance

Milky Mixture

Specifications

Pot life	@ 20°C: 1 hr. @ 30°C: 45 minutes
Time between coats	4-6 hrs. @ 30°C
Initial hardness	24 hrs. @ 30°C
Full cure	7 days @ 30°C (Curing time will be extended at lower temperatures.
Volume solids (mixed material)	41%

Output/Coverage

Approximately 8 m²/kg @100 microns WFT (40 Micron DFT) per coat. Two coats are recommended. Coverage will be approximately 4 m²/kg @ 80 Micron DFT in two coats.

Application/Installation Method

Surface Preparation

The surface to be coated must be structurally sound, dry, and free from loose materials. All surface contamination must be removed. Grease and oil should be grit blasted or water jetted. Deeper penetration must be removed mechanically. Any laitance must be removed from the concrete surface by suitable means, then washed off and dried. New concrete should be allowed to cure for at least 28 days prior to priming.

Priming

Priming is recommended for porous and dusting surfaces. FreeForm Acryseal can be used for 1st coat in case of many porous surfaces.

Mixing

Thoroughly mix the individual containers of the base and hardener before combining them. Then Mix both entire contents for at least 3 minutes mechanically using a slow-speed (300-500 rpm) heavy-duty drill fitted with a mixing paddle until a homogeneous consistency is obtained.

Coating

The mixed PU Coat Matt Clear should be applied to the dry, prepared substrate, ensuring a continuous film is achieved using a standard paintbrush, good quality lamb's wool roller, or spray equipment. The optimal dry film thickness of 80 microns is achieved in two coats.

Cleaning

Tools and equipment should be cleaned with water immediately after use (while wet). Once dry, mechanical removal is necessary.

Packing

Plastic containers

Shelf Life

At least 3 months from supply—protect from frost, heat, direct sun exposure and impurities. Store in unopened containers below 30°C in shaded areas

Precautions

Some individuals may be sensitive to PU resin systems and may develop dermatitis upon skin contact. Use gloves and barrier creams when handling primers and PU Coat Matt Clear. In case of skin contact, wash with soap and water. Do not use solvents. Direct eye contact will cause irritation and may cause serious damage if left untreated. In case of eye contact, wash thoroughly with plenty of water and seek immediate medical attention. It is recommended to use goggles when mixing. Avoid smoking during application.

Green Certification

This product is GreenPro Certificated and qualifies as Green Product by CII- Green products and services council

Technical Support

☎ 9374001415

✉ support@freeformbyvyara.in

Disclaimer

Any recommendations for application techniques are based on experiences. It is advisable to adapt processing techniques and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery

Health Precautions

Adequately protect hands and eyes. In case of contact with eyes consult doctor immediately.

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