



Protecto-Ezecoat (1K)

Single Component Polyurethane Waterproofing Membrane Coating

PRODUCT DATASHEET

► Description:

Protecto-Ezecoat (1K) is a single pack moisture cured Polyurethane waterproofing coating which forms a strong, durable, elastic, abrasion resistant, heat insulating, water, oil and chemical resistant waterproof coating for terraces, roofs, cooling towers, podiums, bathrooms, toilets, gypsum & cement boards, concrete screeds, etc. It forms a thick, seamless and long lasting film that eliminates water seepage from all kinds of surfaces. If required, reinforcing cloth/fibre mesh can be sandwiched between layers.

► Salient Features:

- Highly elastic & resilient
- Excellent adhesion
- Good UV resistance
- High abrasion resistance
- Good antifungal properties
- Heat insulating
- Good crack bridging capacity
- High film thickness
- Tough & durable
- Excellent resistance to acids, alkalis, oils and chemicals
- Easy application and maintenance

► Application:

The surface on which the coating is to be applied should be freed from all traces of dirt, grease and impurities. Damaged or hollow portions of the substrate should be suitably repaired before application. For best results, the surface should have less than 10% moisture before application.

Penetrating Primer Coat: Though Protecto-Ezecoat (1K) has excellent bonding with many substrates, a primer is recommended for porous surfaces. Protecto-Ezecoat (1K) is diluted using 20% of diluents such as DL101 and applied over the clean surface by brush, roller or spray. This ensures that the coating penetrates deeply into the substrate, seals it and adheres well.

Barrier Coat: Protecto-Ezecoat (1K) is then applied by brush or roller depending upon the thickness required. A consumption of 0.7 kg/sq.m will generally achieve a wet film thickness of around 500 microns. If higher thickness is required, apply an additional coat over this coat after it is tack free (8-12 hours depending on ambient temperature and humidity).

Top Coat (Optional): If high colour stability is required, a top coat of aliphatic polyurethane may be applied. Apply one coat of Protecto-Ezecoat Topcoat by brush or roller at a consumption of 0.13 kg/sq.m per coat. Though light walking over the coating is permissible after 24 hours, it is advisable to wait for 3-4 days before full traffic is allowed to move over it.

► **Packing Size:** Protecto-Ezecoat (1K) is available in 5,12 and 25 kg metal containers. Diluent DL 101 is available in 10 and 20 litre drums.

► **Physical Properties**

Property	Units	Barrier Coat	Top Coat (Optional)
Coating Type		Moisture cured PU	Two Pack PU
Composition		Aromatic PU	Aliphatic PU
Specific Gravity @ 25°C		1.33	1.12
Theoretical Consumption	kg/sq.m	0.7 at 500 microns	0.13 at 50 microns
Touch Dry Time @ 25°C & 60% RH	hours	6	3
Full Curing Time @ 25°C & 60% RH (min)	days	7	4
Min. Recoat Interval @ 25°C & 60% RH	hours	8	5
Tensile Strength	N/mm ²	> 4	> 3
Elongation at break	%	>300	>100
Abrasion Resistance	wt. loss/1000cycles	<0.1g	<0.1g
Impact resistance	kg-cm	>35	>35

► **Storage and Precautions:**

Protecto-Ezecoat (1K) should be stored in a cool and dry area. It can be stored for 6 months in its original un-opened container. Use the contents immediately after opening the container otherwise the material will thicken and solidify. While handling, all contact with eyes, skin and clothes should be avoided. Implements used for application should be cleaned with NC thinner, xylene or toluene.

Protecto-Ezecoat (1K) formulations are subject to strict quality control, innovations and improvements to comply with our high standards. The above information is given on the basis of our best knowledge and information and is for your guidance only. Specifications, however, are subject to change and no guarantee is given or implied. All Rights Reserved.



Developed and manufactured by:

Industrial Products Mfg. Co.

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