

ENAQUA

PROLAC 2K CLEAR LACQUER



PRODUCT DESCRIPTION -

Enaqua ProLac is a Two-Component, transparent PU film coating system. It is a high-performance, easy to apply, durable coating system. The system is formulated with unique functional additives, resulting in foolproof protection in a variety of end-applications.

RRCOMMENDED USES/APPLICATIONS -

Sealer coat for Natural Stone
Varnish for solid woods and veneer
Protective coat for concrete and decorative micro-concretes
Sealer coat for PU/Epoxy top coats and mortars



Product Attributes

Excellent Mechanical Strength

High surface nail hardness

UV filtration

Superior Polishability

Water white transparency

Low VOC

Excellent Adhesion

Excellent Stain Resistance

High Washability

Low Odour

PHYSICAL PARAMETERS -

Component A	-	Viscosity at 25 Deg. C - 250 to 550 cps Specific Gravity - 1.00 to 1.10
Component B	-	Viscosity at 25 Deg C - 400 to 600 cps Specific Gravity - 1.10 to 1.20
Mixing Ratio	-	100:25 by weight (Comp. A: Comp. B)
Mixed System	-	Mix Viscosity at 25 Deg C - 300 to 600 cps Mix Specific Gravity - 1.05 to 1.15 % Solids, by wt. - 32.0 to 36.0
Coverage	-	18 - 20 Sqm/kg per coat

APPLICATION SPECS -

Surface Dry time	-	15-20 mins
Tack free time	-	120 mins
Pencil Hardness	-	4H
VOC content	-	TBC
Abrasion Resistance	-	26.8 mgm loss - C17 wheel per ASTM D 4060
Finishes available	-	Glossy, Semi-Glossy, Dead Matt
Appearance	-	Milky white Resin, Water white transparency on curing.
Std. Packs	-	Component A - 1kg, 4kg, 20kg Component B - 0.15kg, 0.6kg, 3kg
Shelf life	-	12 months in sealed container
Film Strength	-	7.4 N/mm ² ASTM D882
Elongation	-	70% ASTM D882



APPLICATION INSTRUCTIONS

As varnish for Wooden surfaces

- For previously coated surfaces, remove coating by sanding or scraping.
- For seasoned wood or veneer, sand surface using 100 no. or 180 no. paper
- Mix the two components of Enaqua ProLac and apply 2 coats c using brush/roller and allow coat to dry for 8-10 hours
- Sand each coat with 180 no. paper followed by 320 no. paper.
- Wipe off dust and apply 1 or 2 coats as top varnish, followed by fine sanding of upto 400 no.

As sealer coat for stone, mortars and coated surfaces

- For stones and coated surfaces, mix the two components of Enaqua ProLac and apply two coats with brush/roller, for total protection of the surface.
On coated surfaces, the coats are to be applied after polishing the surface to desired finish.
- For mortars and substrates with porosity, mix the two components and add Talc as desired to form the base coat of the sealer. Once dried, polish the sealed substrate and then re-apply one or two coats, as desired, for the final finish.

NOTE -

The Resin + Hardener mixture must be used for application on the intended surface inside of the stated Pot Life (note that there is no significant increase in the viscosity of the mixture)

Pot Life is inversely proportional to ambient temperatures i.e. in warmer/hotter environments, the usable Pot Life will be shorter

APPLICATION TOOLS -



Spray gun : Recommended nozzle size of 1.5-1.8mm dia



Roller : Soft, smooth foam roller



Brush : Std. Paint Brush

HANDLING PRECAUTIONS -

- Standard Health and Safety precautions should be followed when handling these products
- Handle in a well-ventilated area and use appropriate Personal Protective Equipment (PPE) such as Hand-gloves, Eye-glasses and protective clothing such as lab coats
- For detailed information, please refer to the Material Safety Data Sheets (MSDS)

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