



RAND
POLYPRODUCTS PVT. LTD.



ENAQUA

**PROSHIELD
2K PUD PAINT**

PRODUCT DESCRIPTION -

Enaqua ProShield is a Two-Component water-borne polyurethane paint. It is a high-utility paint that provides long lasting protection to painted surface. The paint is formulated with unique functional additives, resulting in foolproof protection in a variety of end-applications.

RRCOMMENDED USES/APPLICATIONS -

Internal surfaces/walls of water storage tanks. Exterior walls subject to harsh weather conditions. Clean room walls in Pharmaceutical companies Interior walls requiring long lasting coating. Floor markings on externally exposed floors - car parks etc. Floor paint in UV sensitive areas, open to sky floors etc.



Product Attributes

Excellent Mechanical Strength

High surface nail hardness

UV stable coating

FDA approved

Microbial Protection

Low VOC

Excellent Adhesion

Excellent Stain Resistance

High Washability

Low Odour

PHYSICAL PARAMETERS -

Mixing Ratio		-	100:15 by weight
Enaqua 1154 : H PU 53		-	800 to 1600 cps
Mix Viscosity at 25 Deg C		-	50
% Solids by weight		-	6-8 Sqm/kg
Coverage	Single coat	-	

APPLICATION SPECS -

Surface Dry time	-	15-20 mins
Tack free time	-	120 mins
Pencil Hardness	-	4H
VOC content	-	TBC
Abrasion Resistance	-	68.4 mgm loss - C17 wheel per ASTM D 4060
Finishes available	-	Glossy, Semi-Glossy, Dead Matt
Colours available	-	Std. White, pastel shades available as per Rand's std shade card.
Std. Packs	-	Enaqua 1154 - 1kg, 4kg, 20kg HPU 53 - 0.15kg, 0.6kg, 3kg
Shelf life	-	12 months in sealed container
Film Strength	-	6.0 N/mm ² ASTM D882
Elongation	-	44% ASTM D882



APPLICATION INSTRUCTIONS

FOR WALL PAINT -

- New surfaces should be cured for atleast 30 days prior to painting.
- Remove old paint from existing surface with proper sanding; ensure surface is clean, dry and free from dust
- Apply one coat of Enseal Primer and wait for it to dry.
- Use std. Asian Paints Wall Putty to fill in any dents, pores or gaps on the surface.
- Sand surface using Emery 180 paper
- Apply second coat of Enseal Primer and Sand surface using Emery 320 paper.
- Mix the two components of ProShield paint and stir for 4-5 mins. Add Dilution water upto 5% by weight if needed.
- Apply two coats of ProShield paint, with an interval of 8 hours between coats.

FOR FLOOR PAINT -

- Apply two coats of ProShield paint, with an interval of 8 hours between coats.
- Surface/substrate is usually coated with a compatible PU or Epoxy Overlay.
- For uncoated surface, fill in undulations and prime the surface with Aquaseal.
- Mix the two components of ProShield paint and stir for 4-5 mins. Add Dilution water upto 5% by weight if needed.
- Apply two coats of ProShield paint, with an interval of 8 hours between coats.

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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