

Description

It is two component acrylic polyurethane coating cured with aliphatic isocyanate. Ideal for application on tanks (exterior), structural steel, equipment of any industry under highly corrosive environment. The product is suitable for application over epoxy primer or intermediate coat. Acrylic polyurethane provides a durable high gloss exterior and interior coating for chemical environments. It has excellent color & gloss retention properties. When fully cured, it forms an extremely tough and abrasion resistance finish.

Technical Data

Type	Two pack cured with aliphatic isocyanate	Drying time at 30°C	Surface Dry : 1 hours
Composition	Acrylic Polyol resin with isocyanate hardener and suitably pigmented		Hard Dry : 16 hours
Color	Various shade		Full Cure : 7 days
Gloss	Glossy	Over coating interval at 30°C	Min. : 24 hours
Volume Solids	Approx. 45%		Max. : Unlimited, provided surface is cleaned from all contamination
Recommended DFT Coat	30 - 40 microns		
Theoretical Covering Capacity	11.2 - 15 sq.mtr Ltr		
Flash Point	Base : 24°C Hardener : 24°C	Shelf Life (cool and dry place)	At least 12 months

Directions for Use

Surface preparation & substrate condition

- Suitable epoxy primer, epoxy/ polyurethane undercoat; dry & free from all surface contamination. In case of aged epoxy coating, the surface should be sufficiently roughened prior to painting
- Substrate temperature should be at least 3°C above dew point but not above 50°C

Mixing

Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing. Mix hardener gradually into the base under continuous stirring as per ratio below.

Mixing Ratio	Base : Hardener	Induction Time	15 Minutes
By volume	4 : 1	Pot Life at 25°C	6 - 8 hours

Application

Application Method	Brush/ Roller	Air Spray	Airless Spray
Recommended thinner	UT - 801	UT - 801	UT - 801
Volume of thinner, %	0 - 5	5 - 10	0 - 10
Nozzle orifice, mm	--	1.5 - 3.00	0.28 - 0.33
Nozzle pressure, MPa	--	0.3 - 0.4 (approx 3 - 4 atm; 43 - 57 p.s.i.)	10 - 13 (approx. 100-130atm; 1400 - 1800 p.s.i)

Note

- Use with Hardener of Procoat only.
- In case of part mixing (which should be avoided) close the lids of containers tightly to avoid contact with atmospheric moisture, since hardener is very susceptible to atmospheric moisture.
- Use of mixed paint within stipulated pot life period.
- Do not apply when temperature falls below 10°C or rises above 50°C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
- Brushes and spray equipment should be cleaned with appropriate thinner, otherwise equipment likely to be damaged.

Packaging

Lapox Procoat is available in 5 Liter Tin container and 20 Liter MS drums.

Storage and handling

Lapox Procoat should be stored in a cool and dry place, preferably in a sealed container and should not be exposed to direct sunlight. This product has a shelf life of one year, if stored in its original container between 18°C and 25°C away from humidity and excessive heat.

Safety

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the resin should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas. Please refer to the Safety Data Sheet (SDS) of Lapox Procoat for detailed safety instructions.

Spills and disposal

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

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