

TECHNICAL DATA SHEET

APS 2500

APS 2500 is a two-pack isocyanate-free inorganic-organic acrylic polysiloxane paint which can be used to manufacture coatings having superior weathering performance over polyurethane and with better mechanical and chemical performance than epoxy.



Typical applications

Acrylic polysiloxane paint can be an ideal solution for top coat applications areas like industrial machineries, bridges, stadiums and other structures where aesthetics and performance for several years are important.

Features & Benefits

- + High performance anti-corrosive protection
- + Good abrasion and impact resistance
- + Good film flexibility & Gloss retention
- + Excellent UV resistance.
- + Isocyanate free

Technical information

Materials: Two packs reactive system

Color: Base white

Mix ratio (base: curing agent): 86:14 (wt/wt)

Pot life: Minimum 4 hours @ 30°C

Dry time: Touch dry 3 - 5 hours @ 30°C
Hard dry 24 hours @ 30°C

Recoat time: 12 hours

Full cure: 7 days

Recommended DFT: Dependant on application

Coverage: Approx 100 - 150 sq.ft. per litre
in two coats

Method of application: Airless Spray, Air Spray,
Brush, Roller

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Application Guidelines

Surface preparation

Surface must be free from dirt, grease, oils and any other foreign substances. Any flakes of old paint or powdery residues must be scrapped off and cleaned thoroughly by sanding using an emery paper. Algae and fungus on walls to be removed by high pressure water wash or coir brush and apply Bio-Wash fungicidal solution if needed. Fill cracks with suitable crack filling chemicals prior to start the painting job.

Acrylic polysiloxane should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and APS 2500 paint must be applied within the over coating intervals specified.

Mixing and Application

Stir the base and hardener parts separately before mix them together. Mix hardener gradually into the base container (not the reverse) under continuous stirring. Always mix the full quantity as supplied to avoid improper curing issues. A suitable power mixer is recommended for uniform mixing of the product. Continue the mixing for 3-5 minutes. Allow induction time of 15-20 minutes and then thin down to applicable consistency with required quantity of solvent. Mix thoroughly till the components become homogenous. Apply the paint liberally with paint brush followed by rollers. Apply 2 to 3 coats of APS 2500 to achieve the desire opacity as well as finish, depending on the shades. Provide 4-5 hrs drying interval in between the coats.

Precautions & limitations

- + Once base is mixed with hardener, paint should be consumed within pot-life.
- + Do not apply when concrete surfaces or ambient temperatures are below the dew point.
- + Material and the substrate temperature should be above 10°C and below 50°C before use
- + Application on direct sunlight and windy situation may affect the paint performance

Cleaning

Clean all tools and spillage of paint with water immediately after application.

Product specs

Storage: Store in cool & dry place.

Keep container tightly closed in a secure, upright position. Store in accordance with local regulations.

Packing: 2 & 20 ltr

Shelf life (when stored as recommended): Min 12 months