

PRODUCT**PU COAT**
Two-Component Acrylic-Polyurethane Coating**DESCRIPTION**

PU COAT is a high quality, highly resistant elastic, glossy or semi-mat, two-component, solvent born, Polyurethane Acrylic Coating with excellent exterior durability and non-yellowing properties.

USES

A decorative, protective coating for steel and concrete, for application over the relevant epoxy coatings (#777 COAT for concrete and #100 COAT for steel). Also as a finish coating on floor systems. Excellent for use where resistance to organic acids, solvents, oils and lubricants, salts, etc. is of importance.

SPECIFICATIONS

- Form:	Two packs to be mixed immediately before using.
- Colour:	Upon request.
- Mixing ratio:	4 parts "A" to 1 part "B" by weight
- Density:	1,25 ± 0,05
- Pot-Life:	> 3 hours
- Touch dry:	8 hours
- Overcoating time:	Not less than 12 hours no more than 24 hours
- Full cure:	7 days
- Dilution:	5% with Diluent OMNIA, if required
- Number of coats:	1 – 2
- Consumption:	120-150 gr./sq.m. per coat
- Film thickness:	60-80 microns per coat.
- Tainting:	Does not taint water
- Flash Point:	> 25°C
- Application Temperature:	Not recommended when ambient and/or surfaces temperature is below 10°C and falling or exceeding 40°C.
Sto- Storage life:	18 months (minimum) if stored in the original tightly sealed packs.
- Packing:	5 and 10 Kg. units

CHEMICAL RESISTANCE

Resists mineral acids and alkali, oils, aliphatic solvents and alcohol, brine, etc.
No alteration after 500 hours immersion in a 10% solution of H₂SO₄ at 20°C.
No alteration after 500 hours immersion in a 5% solution of HCL at 20°C.
Performance in salt fog test: no alteration after 7200 hours permanence according to ASTM B 117.

HOW TO USESURFACE PREPARATION

Surfaces must be clean, dry and sound and suitably coated for this finishing coat.



MIXING

Check uniformity of each component and stir parts "A" and "B" separately. Mix only the quantity of material that can be used before expiration of pot-life. For standard quantities, pour all of part "B" into can containing part "A". For smaller batches check uniformity of each component, stir single parts "A" and "B" separately and thoroughly, measure the two components as specified on the packs, into a clean container, mix thoroughly using a mechanical low speed mixer and a paint mixing paddle until material attains uniform consistency and colour. Carefully scrape the sides and bottom of the containers while mixing. Thorough mixing will take 3 to 5 minutes.

APPLICATION

Spray application is preferable to other methods because of its speed and ease with which a uniform coating can be obtained. However, brush or roller may be employed. A maximum 100 microns film thickness per coat should be applied to prevent solvent entrapment. Such entrapment may cause poor adhesion and reduced water and chemical resistance.

PU COAT should be applied on the relevant intermediate #100 COAT

IMPORTANT

Care must be taken to reseal the B (hardener) kit tightly immediately after use, as reacts with the moisture in the air.

CLEAN UP

Clean the equipment with Solvent OMNIA

HANDLING AND TOXICITY

"A" and "B" Components for Industrial Use Only!

PU COAT is flammable and due precaution should be taken.

Good ventilation is necessary for indoor work and great care should be taken to avoid inhalation of vapour from heated material. Skin contact should be avoided by wearing impervious gloves (rubber or disposable polyethylene), and by using suitable goggles for eyes; barrier creams such as Kerodex N. 7 may also assist in affording additional protection. Any accidentally contaminated skin areas should be cleansed immediately with soap and water and/or a suitable resin removal cream. For eyes, flush with plenty of water and get medical attention immediately.

The use of solvents for skin cleansing should be avoided.

All information and direction contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT, when having no control over transport, storage, handling, use and application of its product, must disclaim all responsibilities for any unsatisfactory results obtained.

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These data supersede all previously published data.

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