

IDEAL PU 78

Two-component transparent polyurethane paint.

DESCRIPTION

IDEAL PU 78 is a two-component, transparent, polyurethane paint. Slightly straw-coloured, based on catalysed polyols with isocyanate mixtures, IDEAL PU 78 is available in two different effects: glossy and matt.

CHARACTERISTICS

IDEAL PU 78 forms thermosetting films with:

- Hard film, moderate flexibility.
- Excellent adhesion to concrete, plaster, tile, stone, wood, metal, etc.
- Excellent tightness.
- Good mechanical resistance to wear and scratch.
- Excellent colour stability over time to ultraviolet rays and weather agents.
- Good resistance to chemicals, to saline solutions (sodium chloride as antifreeze agent), to fuels and to lubricating oils.
- Physical and mechanical properties unchanged over time.

FIELDS OF USE

IDEAL PU 78 is used as protective painting resistant to wear and scratch for:

- Industrial and decorative concrete floors.
- Micro-topping and other cement toppings.
- Decorative epoxy floors.
- Terracotta, stone, porous ceramic, and metal surfaces.
- Synthetic resin floors (self-levelling).

TECHNICAL SPECIFICATIONS

| | |
|---------------------|--|
| Colour | transparent |
| Specific weight | approx. 1.0 g/cm ³ |
| Flash point | >30°C |
| Solids content | 61% |
| Curing at + 20 °C | |
| - Touch dry | 120/180 minutes |
| - Step with care | 48 hours |
| - Complete curing | 7 days |
| Abrasion Resistance | UNI 8298 p.9° Mola CS17, 1000 g, 1000 rounds < 80g grams |

MIXING

Use ratio in weight:

| | Comp. A | | Comp. B | | Solvent X-100 |
|----------------------|-----------|---|----------|---|-----------------|
| GLOSSY Effect | 100 parts | + | 36 parts | + | 15-20% di (A+B) |
| MATT Effect | 100 parts | + | 30 parts | + | 15-20% di (A+B) |

Mix thoroughly catalyst "B" and component "A", trying to use the utmost care to remove any unmixed product from the walls and from the bottom of the container. Once the resulting mixture is homogeneous in all its parts add 15-20% of polyurethane solvent X-100, stirring constantly. Working time: 40 minutes at 20° on standard package.

APPLICATION

IDEAL PU 78 must be used on sound, compact areas and on cement floors when concrete has fully cured. The concerned areas must be dry, clean and free from oil and grease.

IDEAL PU 78 cannot be applied to wet surfaces or if it is about to rain.

Apply at a temperature between + 10 and + 30°C, when it is not wet and to a clean and dry area.

In order to obtain a closed and tight coat, IDEAL PU 78 must be applied by brush and airless spraying (nozzle diameters 0.015-0.017").

If applied by roller, where there is no strict technical need, use short-pile Mohair rollers specific to polyurethane finishing.

Effects

IDEAL PU 78 is available in two different effects: GLOSSY and MATT.

Two coats of IDEAL PU 78 - GLOSSY will be sufficient to obtain a shiny effect. To obtain a matt effect use IDEAL PU 78 - GLOSSY as a primer and IDEAL PU 78 - MATT as a final coat. In both cases, the product must be diluted to 15-20% of polyurethane solvent X-100.

The second coat must be applied when the first coat is completely dry. Drying time at +20° ranges from 8 to 12 hours.

It is possible to paint over after more than 48 hours, after fully sanding the substrate with a thin abrasive paper.

COVERAGE

Based on substrate absorption.

80-100 g/m² for non-porous substrates (ceramic, epoxy self-levelling agents, decorative epoxy, Micro-topping, smooth concrete).

100 to 180 g/m² for absorbing substrates (mortar, tiles, broom concrete, wood).

PACKAGING AND STORAGE

A+B = 10 kg container.

Sensitive to humidity: Once poured, this product cannot be put back into its original container.

It can be stored for at least one year into its original sealed containers.

NOTICE

Avoid skin and eye contact; it is harmful if inhaled or swallowed. This product contains flammable solvents; do not smoke during application, do not expose to open flame or heat sources. For applications inside closed places, provide appropriate ventilation. Product residues and empty containers are to be disposed of in compliance with the rules in place in force.

IMPORTANT:

All the information contained in this sheet is based on the best practical and laboratory applications. It is the customer's responsibility to check the product is suitable for the use. The manufacturer declines any responsibility for wrong application. It is recommended to carry out tests on small areas before application. This sheet replaces and cancels any previous one. The data contained can be changed anytime. Ideal Work products are for professional use and the company organises periodical training of its customers on demand. Anyone who uses these products without qualification takes all the risks connected.

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