

IDEAL PU 78

Two-component transparent polyurethane coating

DESCRIPTION

IDEAL PU 78 is a two-component, superior, chemically resistant, solvent based polyurethane floor coating system. IDEAL PU 78 is available in two different effects: glossy and matt.

CHARACTERISTICS

- Hard film, moderate flexibility.
- Excellent adhesion
- 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 coating for:

- Industrial and decorative concrete floors (with primer).
- Microtopping and other cement toppings.
- Decorative epoxy floors.
- 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, 1000g, 1000 rounds < 80g

MIXING

Use ratio in weight:

	Comp. A		Comp. B		Solvent X-100
GLOSSY Effect	100 parts	+	36 parts	+	25-30% of (A+B)
MATT Effect	100 parts	+	30 parts	+	25-30% of (A+B)

Mix catalyst "B" and component "A" thoroughly using the utmost care to remove any unmixed product from the walls and from the bottom of the container. Once the mixture is homogeneous in all its parts add 25-30% of polyurethane solvent X-100, stirring constantly.

Working time: 40 minutes at 20° on standard package.

APPLICATION

Apply IDEAL PU 78 on sound, compact and cured surfaces, which are dry, clean and free from oil and grease. Do not apply IDEAL PU 78 if rain is expected.

IMPORTANT: Do not apply IDEAL PU 78 when the substrate temperature is lower than +10°C or superior than +28°C and the Relative Humidity is more than 70%. In case of too much humidity in the air, the product may have drying problems.

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

Where there is no strict technical requirement, IDEAL PU 78 can be applied by roller using a short-pile Mohair roller sleeve.

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 25-30% of polyurethane solvent X-100.

The second coat must be applied when the first coat is completely dry. See estimated drying times above.

If a second coat is applied after more than 48 hours, the surface must be fully sanded with a abrasive paper disc (180-220 grit) for a better adhesion.

COVERAGE

Varies with substrate absorption.

Approximately 100-130 g/m² (total consumption in 2 coats)

To create a strong and resistant film, it is strongly recommend to apply thin coats of IDEAL PU 78. Do not apply thick coats.

PACKAGING AND STORAGE

A+B = 10 kg.

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

It can be stored for at least one year in 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 in closed areas, provide appropriate ventilation. Product residues and empty containers are to be disposed of in compliance with the local rules 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 intended 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 at anytime. Ideal Work products are for professional use and the company organizes periodical training of its customers on demand. Anyone who uses these products without qualification does so at their own risk

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