

IDEAL PU 78 SUPERMATT

Two-component transparent polyurethane sealer with super matt effect

Description

IDEAL PU 78 SUPERMATT is a bi-component solvent-based polyurethane sealer based on polyols catalysed with mixtures of isocyanates.
It forms a transparent, non-glossy, film with good resistance to sunlight and bad weather.

Features

- Excellent adhesion to Microtopping®. For application onto concrete it is necessary to provide an epoxy primer,
- Excellent waterproofing.
- Good mechanical resistance to wear and scratching.
- Excellent colour stability over time against ultraviolet rays and weathering.
- Good resistance to aggressive chemicals, saline solutions (sodium chloride, similar to antifreeze), fuels and lubricating oils.
- Physical and mechanical characteristics that remain stable over time.

Fields of use

IDEAL PU 78 SUPERMATT is used as a waterproofing, anti-wear and scratch-resistant protective coating on surfaces such as:

- Industrial concrete floors after applying epoxy primer.
- Microtopping® floors.
- Synthetic epoxy resin flooring.

Technical information

Colour	Transparent
Specific weight	1.0 g / cm ³
Viscosity DIN53211	50+/-5
Hardening at + 20°C	
- dry to the touch	120/180 minutes
- can be walked on carefully	48 hours
- complete hardening	7 days
Abrasion resistance	ASTM D4060 Mole CS10 e 1 kg e 1000 giri < 25 mg

Mixing

Mix ratio by weight:

	Comp. A	Comp. B
Supermatt version	100 parts	+ 50 parts

Thoroughly mix the catalyst "B" with the component "A" previously mixed, taking the utmost care that no parts of the unmixed product remain against the walls and bottom of

the container.

Do not add any thinner when applying by airless sprayer.

We recommend diluting the first coat with 5% of X-100 polyurethane thinner on non-absorbant substrates

Dilute with 20% of X-100 polyurethane thinner when applying by paint-brush or roller.

Working time 30 minutes at 20°.

Application

IDEAL PU 78 SUPERMATT should be applied on compact and fully matured substrates.

Surfaces must be dry, clean, free of oils, grease and loose particles.

IDEAL PU 78 SUPERMATT cannot be applied on damp or wet surfaces or when there is a danger of rain.

Do not apply when the substrate temperature is lower than +10°C or higher than 28°C and the relative humidity is higher than 70%. High humidity slows down the catalysis until it is completely prevented.

IDEAL PU 78 SUPERMATT must be applied in 2 coats with a brush, roller or by airless spray (nozzles diam. 0.23-0.30 mm),

For roller applications, where there are no different requirements, use short-pile Mohair rollers, specific for polyurethane finishes.

The application of the second coat of IDEAL PU 78 SUPERMATT must take place on a perfectly dry floor, no sooner than 8-12 hours from the first, at +20°C.

Over-painting can be done after more than 48 hours and should be performed after sanding the substrate with a fine abrasive mesh sanding disc.

Coverage

100–150 g/m² (in 2 coats) for non-porous surfaces (self-leveling, epoxy resins, Microtopping®, smooth concrete).

Packaging / storage / disposal

Available in A + B jugs of a total of 7.5Kg and of 1.0 kg.

It is vulnerable to humidity: any spilled product must not be returned to the original container. It can be kept for at least one year in the original sealed containers at a temperature between 5°C and 30°C.

Warning

Avoid contact with skin and eyes; it is harmful by inhalation and if swallowed. The product contains flammable solvents; do not smoke during application and do not bring the product close to open flames or heat sources. For applications in closed rooms, provide adequate ventilation. Excess product and the empty packages must be disposed of in compliance with the regulations in force.

Consult the safety data sheet

IMPORTANT

All information contained herein is based on the best and most recently available practical and laboratory testing. It is the customers responsibility to determine that the product is suitable for their chosen application. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before full scale application. This document replaces all previous versions. The



Data Sheet

data can be changed at any time. Also note that the products are intended for professional use only. Ideal Work provides training, updates and refresher courses for their regular customers on request. Anyone using these products without being enabled does so at their own risk.

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