

## IDEAL PU 78 (gloss)

### Two-component transparent polyurethane sealer

#### Description

IDEALPU 78 is a bi-component solvent-based polyurethane sealer based on polyols catalysed with mixtures of isocyanates.

It forms a transparent and 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 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 <sup>3</sup>
Flash point	> 30°C
Viscosity	60" ± 5 ISO 2431 cup Hole 6
Dry residue	61%
Hardening at + 20°C	
- dry to the touch	120/180 minutes
- can be walked on carefully	48 hours
- complete hardening	7 days
Abrasion resistance	UNI 8298 p.9° Grinding CS17, 1000 g, 1000 revolutions <80 mg

#### Mixing

##### Mix ratio by weight:

	Comp. A		Comp. B		Thinner X-100
<b>GLOSSY version</b>	100 parts	+	36 parts	+	25-30% of (A + B)

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. When mixing is completed add 25-30% of polyurethane thinner X-100 continuing to mix. Working time 40 minutes at 20°.

---

## **Application**

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

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

IDEAL PU 78 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 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 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/m<sup>2</sup> (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 10 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 customer's 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 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.

Ed 01 dated 01.02.2010 - REV. 025 dated 27.03.2020