

IDEAL PU WB

Water Based, two-component transparent polyurethane coating.

DESCRIPTION

IDEAL PU WB is a two-component, superior, chemically resistant, water based polyurethane floor coating system. IDEAL PU WB creates a UV stable satin finish.

CHARACTERISTICS

- Hard film, good flexibility.
- Excellent adhesion
- Natural satin look.
- Low VOC. Excellent for interior applications
- Good mechanical resistance to wear and scratching.
- Excellent colour stability over time to ultraviolet rays and weather agents.
- Good resistance to chemicals, such as oils, foods, coffee.
- Physical and mechanical properties unchanged over time.

AREAS OF USE

IDEAL PU WB is used as protective coating for:

- Microtopping and other cement based toppings.
- Decorative epoxy floors.
- Industrial and decorative concrete floors (with primer).
- Vertical decorative surfaces.
- Synthetic resin floors (self-levelling).

TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD	RESULTS
Solids (A + B)	UNI EN ISO 3251	57 ± 1 % (p/p)
Gloss index 60°	UNI EN ISO 2813	30 - 40 Gloss (=satin)
Hardeness Persoz	UNI EN ISO 1522	205 ± 5 sec
Wear Resistance (Taber Abraser-Mole CS 10 kg 11000 rounds) loss of weight:	ASTM D 4060	< 20 mg
Specific weight at 20°C (A + B)	UNI EN ISO 2811	1,0 ± 0,05 Kg/Lt.
Viscosity Brookfield at 20°C (A + B)	ASTM D 2196	35000±10000 sec

FINAL PERFORMANCE 20°C e 50% R.H.

Pot life 3 ÷ 4 hrs.
Tack-Free 4 hrs.
Recoat time: about 5-6 hrs.

Set for light foot traffic: 24 hrs.
Set for Heavy traffic: 48 hrs.
Final Hardening time 7 days.

MIXING

Use ratio in weight:

Comp. A		Comp. B		WATER
100 parts	+	30 parts	+	45-50% of (A+B)

Thoroughly mix catalyst "B" and component "A", taking 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 45-50% of clean water, stirring constantly.

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

APPLICATION

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

IMPORTANT: Do not apply IDEAL PU WB 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 WB is best applied by brush and airless spray (nozzle diameters 0.23-0.30").

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

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 an abrasive paper disc (180-220 grit) for 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 recommended to apply thin coats of IDEAL PU WB. Do not apply thick coats.

PACKAGING AND STORAGE

A+B = 5 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 swallowed. For use 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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