ALPIC

Solvent-free, two-component polyurethane resin for manual application. It is designed for use as colored and UV-resistant topcoat (does not yellow) on a SOUPLETHANE coating. This is fast drying, even at low temperature, resulting to an aesthetic gloss finish. Good resistance to abrasion and shocks.

Application Fields

ALPIC can be used as white finish, or tinted topcoat with UV-resistant (does not yellow) on a SOUPLETHANE coating.

Characteristics

Chemical Nature	2-component (2K) polyurethane resin (aliphatic)	**Mixing ratio**	Comp. A / Comp. B = 2 / 1 per weight or volume
Composition	Component A - polyol : opaque and tinted liquid Component B – isocyanate : Clear colorless liquid	**Density (at 20°C)**	Mixture A+B : 1.33 g / ml *(DIN 53217 / EN ISO 2811)*
Solvent-free	100 % solid content *(ISO 1515)*		

Colors: possibility of different colors using the pigment Colorant ALPIC according to color chart - Others upon request

Advantages

- Finishing layer (topcoat) perfectly adapted to the SOUPLETHANE system
- Aesthetic finish: clearcoat (colorless transparent) or colored
- Low consumption
- Does not yellow under UV radiation
- Solvent-free
- Easy application

Properties

Concrete adhesion	➢ **2 MPa** (concrete failure) *(NF EN 1542)*	Shrinkage	**0**
Steel adhesion	➢ **4 MPa** *(NF EN 1542)*	Elongation	**35%** *(NF EN ISO 527-3)*
Service temperature (air)		**-1°C to 30°C**	

Implementation

Preparation of the mixture	Thoroughly homogenize the polyol (A) before mixing. Mix the mixture Comp A + Comp B with a mechanical stirrer for 40 seconds Then pour the product into a second container and resume mixing for 10 seconds To minimize the air entrainment during mixing, it is advisable to perform this operation at low rotation speed (approx. 400 rpm), taking care to keep the agitator at the bottom of the bucket during its rotation
Application	The substrate must be clean, dry, free from all traces of grease or dust **Manual Application :** roller (in crossed layers), brush or squeegee. The use of a paint tray and the work in small quantities is advisable to avoid the incorporation of moisture in the resin container (moisture accelerates the curing of the resin and decreases the pot-life)

Substrate temperature	10°C min.	**Dew point :** The substrate must be at + 3 ° C above the dew point to reduce the risk of condensation.

Consumption	300 g/m² to 500 g/m²
Thickness	0.2 to 1 mm
Covering time at 20°C	mini 5 h / maxi 72h
Start-up time (23°C, 50%r.h.)	5 h

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Pot life	Temperature	+ 10°C	+ 20°C	+ 30°C
	Pot life	~ 35 minutes	~ 30 minutes	~20 minutes
	The pot life decreases as the temperature and / or amount of prepared product increases.			
Covering time	Before application of ALPIC on SOUPLETHANE			
	Temperature	+ 10°C	+ 20°C	+ 30°C
	Mini	8 hours	5 hours	4 hours
	Maxi	3 days	2 days	1 day
These data are only indicative because the curing time varies according to the drying conditions (temperature and relative humidity in particular)				

Tools Cleaning

Tools are cleaned with acetone or MEK immediately after use. In the cured state, the product can only be removed mechanically.

Notes on the application / limits

- Protect ALPIC from contact with moisture before and during use. Moisture accelerates the curing (setting) of the resin and decreases the pot life.
- According to the covering power of the product and the desired result, plan a two-layer application: 1st layer - impregnation, 2nd layer - finishing.
- For applications on POUDREC: plan to remove any excess of POUDREC by sweeping and by vacuum cleaner before applying the ALPIC finishing layer.

Packaging	In kits
5 kg	Pre-dosed Kit (3.5 kg Comp. A + 1.5 kg Comp. B)

Storage

From the date of manufacture and in original unopened packaging, under cover at more than 5 °C in a cool, ventilated place (frost free)
Shelf life : 12 months

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