

IDEALCOLOUR 80

Two-component coloured polyurethane coating

DESCRIPTION

IDEALCOLOUR 80 is a high-quality two-component polyurethane coating. It is based on polyester resins cured with aliphatic isocyanates to offer good chemical resistance and excellent mechanical wear resistance and a perfect stability of colours and gloss for exterior applications.

CHARACTERISTICS

- Hard, bright and quite flexible film.
- Excellent adhesion to concrete
- Excellent mechanical resistance to wear and scratches.
- Excellent colour stability over time to ultraviolet rays and weather agents.
- Good resistance to chemicals, fuels and lubricating oils.
- Physical and mechanical properties that remain unchanged over time.

FILEDS OF USE

- Decorative coating
- Coating in the chemical and pharmaceutical industry with high resistance to acidic and basic chemical reagents.
- Scratch-resistant finishing for epoxy floors

TECHNICAL SPECIFICATIONS

Carrier nature	aliphatic polyurethane
Colours	RAL colour range
Specific weight	approx. 1.4kg/7l
Dry matter	approx. 65% by weight
Use ratio	A=100 B=25
Flash point	> 30°C
Pot life at +20°C	5 hours
Curing at +20°C	
- touch dry	60 minutes
- can be stepped with care	24 hours
- curing	7 days
Viscosity at +20°C	20° F N° 4
Gloss (Gardner at 60°)	> 95 gloss
Lowest dry film thickness recommended	70 micron

Coverage for 70 micron thickness	200g/m ²
Lowest coating time at 20°C	15 hours
Highest coating time at 20°C	72 hours
Lowest application temperature	+5°C
Can be applied with	R.H. not > 70%

FILM FEATURES

Elasticity	Mand. elongation 8mm 9%
Drawing strength	> 6%
Temperature resistance	up to 80°C
Sward-rocher hardness	30-35 osc.
Vapour Diffusion coefficient	approx. 42,000

USE

Substrate preparation: surfaces must be dry, clean and not stained with oil or grease.

Product application: in order to obtain a closed and tight coat, IDEALCOLOUR 80 must be applied by means of a brush and airless spraying (nozzle diameters 0.23-0.30mm) after diluting it in approximately 5-10% of X-100 thinner.

If applied by roller where there is no strict technical need, use short-pile Mohair rollers specific to polyurethane finishing.

Before applying, carefully mix catalyst "B" and component "A", using the utmost care to remove any unmixed product from the walls and from the bottom of the container.

Conditions of application:

Apply at temperatures between +10°C to +30°C in a non-humid atmosphere, then clean and dry up the support.

CONSUMPTION

According to the absorption of the substrate : for not absorbing surfaces about 80-100 g/sqm, for porous substrates about 150-250 g/sqm

PACKAGING AND STORAGE

A+B = 7.5-22.5kg cans

Can be stored for at least 12 months in its original sealed container.

WARNINGS

Avoid skin and eye contact; it is harmful if inhaled or swallowed. This product contains flammable solvents. For applications in closed places, provide appropriate ventilation, as well as all the safety rules for painting with solvents.

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 any time. Ideal Work products are for professional use and the company organises periodical training for its customers on demand. Anyone who uses these products without qualification takes all the associated risks.

EDIT. 01 of 01 February 2001 Review 03 dtd 10/05/2018