

IDEALCOLOR80

cod. 7,5IDEALCOLOR80

Two-component coloured, polyurethane finishing varnish

DESCRIPTION

IDEALCOLOUR80 is a high quality, two-component polyurethane coating. It is based on polyester resins cured with aliphatic isocyanates to offer good chemical resistance. It provides excellent mechanical wear resistance and perfect stability of colour and gloss for both interior and exterior applications.

FIELDS OF USE

Decorative protective and waterproofing coating for concrete, plaster and steel surfaces (previously treated), for indoor or outdoor use, also suitable when exposed to atmospheric agents;

- In the food industry: floors in warehouses, curing cells, food distribution centres, supermarkets, fish industry.
- In the chemical, electronics and pharmaceutical industries where good resistance to diluted acid and basic solutions is required
- Easy to clean, particularly appropriate and appreciated in the precision engineering and goldsmith industries.
- In sports facilities for gyms, changing rooms and viewing platforms.

FEATURES

IDEALCOLOUR80 forms a thermoset, semi-gloss, satin, high-coverage film with excellent mechanical resistance to wear and scratches. It has good resistance to diluted acid and basic solutions, fuels, oils and lubricants.

- Excellent colour stability over time to ultraviolet rays and weathering which allows both internal and external application;
- low consumption;
- low shrinkage;
- smooth or "orange peel" finish;
- fast curing and walkable 48 hours after application;
- long-lasting and stable physical and mechanical characteristics.

APPLICATION

PREPARATION

Apply IDEALCOLOUR80 onto a clean, solid and dry concrete background. The surface must be roughened through sandblasting or sanding then thoroughly vacuumed to remove small particles. Then apply the epoxy primer IDEALCOLOUR 51.

APPLICATION

Temperature between + 10 and + 30° C with relative humidity no higher than 70%. In warm periods it is recommended that the product is not applied in the middle of the day and on surfaces particularly exposed to the sun.

Pour component B into component A and mix at low speed for 3 – 5 minutes with a drill equipped with a helix/spiral. Incorporate as little air as possible. Make sure to scrape all material from the bottom and sides of the bucket.

Spread IDEALCOLOUR80 with a brush, roller or airless spray in one or two coats, with an average consumption rate per coat of 80 – 120 g/m².

For roller applications, where there are no different technical requirements, use short-haired Mohair rollers, specifically made for polyurethane finishes.

The mixture can be diluted with solvent X100 up to a maximum of 5%.

The second coat can be applied after 48 hours. Prior to the second application, sand the surface with fine paper (100–120) and vacuum to remove all the dust.

WORKING TIME			
Temperature	Pot-life	Tack free	Overlay
10°C	7 hours	300 min.	24 hours
20°C	3 hours	150 min.	12 hours
30°C	2 hours	120 min.	5 hours

TECHNICAL INFORMATION

Appearance	Coloured film
Colour	RAL scale
Gloss (Semi-gloss satin)	40 gloss
Density	1,25 Kg/dm ³
Viscosity (a 25° C)	128 cP

CONSUMPTION

Consumption is between 80 and 150 g/m². A higher consumption may lower the surface resistance.
 Mixing ratio A+B = 100+50

PACKAGING / STORAGE / DISPOSAL

Packaging A+B 7,5 Kg.

The product can be kept for at least one year in the original sealed container at a temperature between +10°C and +30°C.

PRECAUTIONS

- Fully dry in 7 days at a temperature higher than 20°
- Clean the tools with PU solvent

- Epoxy resins can cause irritation; avoid contact with skin and eyes. In case of contact, wash with plenty of water and soap for 10/15 min and consult a doctor. Do not use solvent.
- Always wear gloves, protective suit and goggles.
- In the case of prolonged use of epoxy resins, the use of a protective cream such as Turexan is recommended.
- Do not re-use emptied containers.
- Epoxy/polyurethane resins and hardeners can cause irritation therefore avoid any contact with the skin and, in particular, the eyes. Ventilate the premises well during use.
- Consult the SDS

IMPORTANT

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is not used in accord with its instructions. The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed even partially in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the flooring which depends on the installation methods, working times and climatic conditions of the site. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of the responsibilities and technical evaluations of the applicator. The data can be changed at any time. Also note that the products are intended for professional use only.