OP-Coat 300

Technical Data Sheet

Product:	Sealing Two-component polyurethane, transparent, water-based, silky finish
Characteristics:	• UV-resistant • High Opacity • Dry fast • Abrasion resistant • Non toxic and non allergic after Curing

Use Cases:

OP-Coat 300 is a water-based polyurethane sealant suitable for a wide range of epoxy and polyurethane coatings. The product is easy to apply and when combined with OP-Coat 500 creates a high quality and durable coating system.
OP-Coat 300 offers excellent coverage and dries quickly, allowing you to use less material and save time between application steps.
As OP-Coat 300 dries, moisture is released into the surrounding air. Therefore, proper ventilation and air circulation must be ensured during application and drying.

Consumption Quantity:	120 – 150g/m² **Note:** We recommend two work steps.
Resistance:	• Water/wastewater (please inquire) • Detergents/surfactants • Salt solutions • Maximum wet temperature 40°C • Solvents (please inquire) • Diluted acids and alkalis • Lubricants and fuels • Temperature dry for short periods max. 60°C

Technical Data:

Mixing ratio A : B	100 : 15 by weight
Density (23°C)	approx. 1,1 g/cm³
Bulk solid	approx. 40 %
Viscosity (23°C)	approx. 500 mPa·s ± 200

Processing Data:

Processing time (15°C / 23°C / 30°C)	approx. 50 Min. / approx. 45 Min. /approx. 30 Min.
Object Temperature	min10°C bis max 30°C
Material Temperature	15°C - 25°C
Curing walkable (15°C / 23°C / 30°C)	48 Hours/ 24 Hours/ 24 Hours
Mechanically Loadable Curing (15°C / 23°C / 30°C)	72 Hours/ 48 Hours/ 48 Hours
Chemisch Loadable Curing (15°C / 23°C / 30°C)	7 Days / 5 Days / 4 Days
Maximum relative Humidity at 15°C	75 % (Dew point difference +3°C)
Maximum relative Humidity at > 23°C	80 % (Dew point difference +3°C)
Waiting time until recoating 15°C	min. 24Hours; max. 48 Hours
Waiting time until recoating 23°C	min. 10Hours; max. 24Hours
Waiting time until recoating 30°C	min. 10Hours; max. 24 Hours

* The information provided is laboratory-determined guideline values and not specifications.

Packaging:	4,8 kg- Package: 4 kg Component A; 0,8 kg Component B 9,6 kg- Package: 8 kg Componente A; 1,6 kg Componente B Other packaging options are available upon request..
Color:	• Transparent • Anthracite gray approx. RAL 7016 • Stone gray approx. RAL 7030 • Pebble gray approx.. RAL 7032 • Light gray approx. RAL 7035 • Other colors available on request
Shelf Life:	6 months: store in a cool, dry place in the original container at 15–25°C. Temperatures <10°C may cause crystallization. Please consult ORGANIC POLYMER.

Surface preparation:

The substrate to be sealed must be properly and professionally prepared. The self-leveling coating should be easily walkable. The surface must be free of sludge,dust,(oil, grease), and substances that interfere with adhesion.

*In consultation with ORGANIC POLYMER

Processing:

All the components should be at atleast s Temperature of 15°C.Mix carefully with a slow mixer (300-400 rmp) for about 3 minutes until smooth. Transfer to a clean Container and mix for another minute.If needed,add 10% demineralized water and mix for 2 more minutes. Add filters only after the main mix is uniform.
Right after mixing, spread the material evenly with a rubber squeegee ,then roll with a short-pile nylon roller (14 mm) .Avoid overlapping too much -too much material or puddles can cause cracks or shading.
Ensure good ventilation,as the coating releases water vapour during drying.

System example:

The following information applies to object and floor temperatures of 15–23°C. Higher and lower temperatures require changes to the filling and consumption per m² and can affect the appearance.

Sealing: OP-Coat 300, consumption: 2 x approx. 0.15–0.2 kg/m².

Disposal instructions:	In general, uncured products are waste that requires special monitoring and must be disposed of properly. In consultation with the relevant authority or landfill site, cured material can be disposed of as household/commercial waste. The local authorities are responsible for providing information on proper disposal. Completely empty packaging must be recycled.
Protective measures:	Further information on safety during transport, storage, and handling, as well as personal protective equipment and disposal, can be found in the current safety data sheet or the respective information provided by the professional associations.
GISCODE:	PU40
EU-Regulation „Decopaint-RL“:	The maximum VOC content permitted by EU-Regulation 2004/42/EC (category AII / j / type Lb) is 500 g/l in ready-to-use condition (2010 limit). This product complies with EU-Regulation 2010.
	See Declaration of Performance
CE-Marking:	CE
	H2N TRADING GmbH Bgm.-Bombeck-Str. 1 D-22851 Norderstedt
	25 H2N-300-001 EN 13813:2002 OP-Coat 300

Synthetic resin screed/synthetic resin coating for indoor use	
Fire behavior	E_{fl}
Release of corrosive substances	SR
Wear resistance	≤ AR1
Adhesive strength	≥ B1,5
Impact resistance	≥ IR4

OP-Coat 300 01.08.25:
Our information and advice, in writing and through trials is provided to the best of our knowledge—however, it is non-binding, including with regard to any third-party property rights. This information does not release the buyer from their own obligation to check our advice and products for their suitability for the intended processes and purposes. The application and processing of our products are beyond our control and are therefore the sole responsibility of the user. The sale of our products is subject to our General Terms and Conditions of Sale, Delivery, and Payment.

Further information

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