

POLYAMOL Klarlack

2 : 1 EP curing agent gloss 3271

Data Sheet 1905/Version 09/10.2016

General description

Product	POLYAMOL Klarlack is a high-quality 2-component epoxy clear varnish used as a protective coating on metal machine components in the food processing sector. Test certificate for the food grade is available.
Resin	Epoxide/polyaminoamide
Usage	Machine construction, plant construction
Properties	<ul style="list-style-type: none"> – Certificate of compliance – Very good resistance properties – Low solvent content – Good direct adhesion to steel
Degree of gloss	Gloss (art. 12428)
Container	5 kg
Storage	Store in a cool, dry location in well sealed containers. Pay attention to «Use by» date on label.

Processing notes

Mixing ratios	By weight: 2 : 1 with EP curing agent gloss 3271 (art. 10486)
Thinning	<p>10 – 30% EP thinner 5702 (art. 10522)</p> <p>In the food industry must be used EP thinner 5702. The use of other thinners may lead to impaired results and reduced quality.</p>
Pot life	Approx. 12 hrs
Application	Conventional spraying, ESTA
Air - drying	<p>Touch-dry: approx. 60 min. Tack-free: approx. 4 hrs Dry-to-handle: approx. 8 hrs</p> <p>Recoat: approx. 8 hrs Load-bearing: approx. 5 days</p>
Forced drying	<p>Flashing off: approx. 30 min.</p> <p>Drying: approx. 60 min at 60°C (danger of yellowing at higher temperatures)</p>
Dry coating thickness	20 – 40 µm
Consumption	<p>Theoretical 90 g/m² with 30 µm dry film</p> <p>Practical 160 g/m²</p>
EU-Directive 2004/42/EG	This product does not meet the VOC-limit values of Directive 2004/42/EG, and must not be used in corresponding applications.
Processing temperature	Not less than +10°C. In order to prevent the build-up of condensation during coating, the surface temperature must be at least 3°C above the dew point.
Cleaning of equipment	Immediately after use with universal thinner 5119 (art. 10516).
Special notes	<p>DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.</p> <p>With POLYAMOL clear varnish alone, only limited protection against corrosion can be achieved.</p>

Recommended method

Substrate	Steel
Pre-treatment	The substrate must be clean, dry, and free from grease, oil and dust. Welded locations must be thoroughly cleaned and any weld scale removed. Thoroughly degrease, abrade, irradiate to Sa 2.5 according to ISO 8501-1, sweep, phosphatize, chromatize.

Technical details

Density	Approx. 1.00 g/cm ³
Solids	Approx. 40 – 42% weight approx. 35 – 37% volume
Flashpoint	POLYAMOL Klarlack > 21°C EP curing agent 3271 > 21°C

Safety data

Safety measures	Refer to the indications on the labels and safety data sheets. The requirements of the SUVA, the Council for accident prevention, have to be respected. Contains flammable solvents and must be kept away from sources of ignition.
Waste disposal	Opened containers, residues or expired material can be brought in particular collection points. The legal guidelines DETEC on the list of waste transport (LVA) in Switzerland, and the European Waste Catalogue (EWC), must be observed.
KABE Recycling	Empty containers and old paints can be returned to KABE in Gossau. Ask for our detailed information brochures.

General information	The information on this technical data sheet relative to the properties and application of the product concerned are made on hand of our knowledge, development and practical experience. Because of the multiple possible applications, it is impossible for us to present them all in detail. Our technical consultants are at your disposal for any question you might have. Furthermore, our general sales and delivery conditions apply.
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This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.



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