

KABEDUR Struktur

4 : 1 with PU curing agent 5370

Data Sheet 1303 / Version 14 / 04.2024

General description

Product	KABEDUR Struktur is a quick-drying, weather-proof 2-component PU lacquer with exceptional properties. It was developed to paint a wide range of metal parts for the exterior.
Resin	Acrylate/Polyisocyanate
Pigmentation	Organic and inorganic pigments
Usage	Machine construction, plant construction, steel construction, anti-corrosion protection, industrial paint plants.
Properties	<ul style="list-style-type: none">– Weather-proof qualities– No yellowing– Tough-elastic– Robust surface– Wide range of structural options
Degree of gloss	Gloss (art. 14423), silk gloss (art. 14424), silk matt (art. 14425), matt (art. 14426)
Colors shade	RAL, NCS S, according to pattern
Container	1 kg, 4 kg, 8 kg, 16 kg, 20 kg
Storage	Store in a cool, dry location in well sealed containers. Pay attention to "Use by" date on label.

Processing notes

Mixing rate	By weight: 4 : 1 with PU curing agent 5370 (art. 10481) For a faster drying can be used PU Hardener 5400 Rapid (art. 13937). The degree of gloss can be reduced.
Thinning	3 – 20% PU thinner 5320 (art. 10530) The use of other thinners may lead to impaired results and reduced quality.
Pot life	Approx. 5 hrs
Application	Conventional spraying
Air - drying	Touch-dry: approx. 40 min Tack-free: approx. 4 hrs Dry-to-handle: approx. 8 hrs Recoatable: approx. 8 hrs Load-bearing: approx. 5 days
Forced drying	Flashing off: approx. 30 min Drying: approx. 60 min at 60°C or 45 min at 80°C
Dry coating thickness	60 - 100 µm
Consumption	Theoretical: 200 g/m ² with 80 µm dry film Practical: 270 g/m ²
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 +5°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	DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.

Recommended method

Substrate	Steel, aluminium, zinc						
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.						
Primers	<table> <tr> <td>– REAKTIONSGRUND</td> <td>– POLYAMOL Primer Plus</td> <td>– KABEDUR Grundierfüller</td> </tr> <tr> <td>– SYNTOPRIMER</td> <td>– KABEDUR Expressfiller (interior)</td> <td></td> </tr> </table>	– REAKTIONSGRUND	– POLYAMOL Primer Plus	– KABEDUR Grundierfüller	– SYNTOPRIMER	– KABEDUR Expressfiller (interior)	
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Technical details

Density	Approx. 1.10 – 1.25 g/cm ³						
Solids	Approx. 65 - 67% weight Approx. 50 - 52% volume						
Flashpoint	<table> <tr> <td>KABEDUR Struktur</td> <td>> 21°C</td> </tr> <tr> <td>PU curing agent 5370</td> <td>> 21°C</td> </tr> <tr> <td>PU curing agent 5400 Rapid</td> <td>> 21°C</td> </tr> </table>	KABEDUR Struktur	> 21°C	PU curing agent 5370	> 21°C	PU curing agent 5400 Rapid	> 21°C
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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	<p>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.</p> <p>This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.</p>

