

KABEDUR SM05 Feinmetallic

10 : 1 with PU curing agent 5370

Data Sheet 2147 / Version 14 / 04.2024

General description

Product	KABEDUR SM05 Feinmetallic is a quick-drying 2-component PU structure lacquer developed for high quality, rational painting. For indoors KABEDUR SM05 Feinmetallic is also suitable as single coat on various supports in metal, glass and plastic.
Resin	Acrylate/Polyisocyanate
Pigmentation	Aluminium. organic and inorganic pigments
Usage	Machine construction, kitchen equipments, exhibition stand construction, store construction, interior fittings, industrial paint plants.
Properties	<ul style="list-style-type: none">– Flame-resistant building material after building material class DIN 4102 B1– Resistivity group B1 according to DIN 68861-1 furniture surfaces– Very quick physical surface drying– Rational handling– Good resistance to scratches and chips– Good direct adhesion on various metals and plastics.– Fine self-forming structure– Limited weather resistance
Degree of gloss	Silk matt (art. 12896)
Colors shade	Color chart DECO-LINE industrial lacquers, according to pattern
Container	1 kg, 5 kg, 10 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: 10 : 1 with PU curing agent 5370 (art. 10481)
Thinning	10 – 30% PU thinner 5320 (art. 10530) The use of other thinners may lead to impaired results and reduced quality.
Pot life	Approx. 20 hrs
Application	Conventional spraying
Air - drying	Touch-dry: approx. 15 min Tack-free: approx. 30 min Dry-to-handle: approx. 1 hrs Recoatable: approx. 3 hrs Load-bearing: approx. 5 days
Forced drying	Flashing off: approx. 15 min Drying: approx. 60 min at 60°C or 30 min at 80°C
Dry coating thickness	30 - 60 µm
Consumption	Theoretical: 140 g/m ² with 45 µm dry film Practical: 190 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	<p>DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.</p> <p>By addition of 1 % KABEDUR Glasfix 4214 (art. 14214) the adherence on glass will massively improve. This application is exclusively limited for interior areas.</p> <p>To improve the stability for horizontal surfaces in the interior we recommend varnishing with KABEDUR SM05 Clearcoat (art. 13247).</p> <p>This application is exclusively limited for interior areas.</p>

Recommended method

Substrate	Steel, aluminium, zinc, wood and derived timber product, for synthetic materials and glass are controls necessary.
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, chromitize.
Primers	<div> <div>– REAKTIONSGRUND</div> <div>– SYNTOPRIMER</div> </div> <div> <div>– POLYAMOL Primer Plus</div> <div>– KABEDUR Expressfiller (interior)</div> </div> <div>– KABEDUR Grundierfüller</div>

Technical details

Density	Approx. 1.00 – 1.20 g/cm ³
Solids	Approx. 45 - 47% weight Approx. 30 - 32% volume
Flashpoint	<div>KABEDUR SM05 Feinmetallic < 21°C</div> <div>PU curing agent 5370 > 21°C</div>

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>

This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.