

# KABEDUR SM05

## 10 : 1 PU curing agent 5370 | interior

Data Sheet 1673 / Version 20 / 12.2022

### General description

Product	KABEDUR SM05 is a quick-drying 2-component PU lacquer developed for high quality, rational painting. KABEDUR SM05 is well suited as one coat lack for different parts in metal, glass or plastic in the interior areas.  This product is available also from our automatic paint mix machines EUROMix.
Resin	Acrylate / polyisocyanate
Pigmentation	Organic and inorganic pigments
Usage	Equipment manufacturing, kitchen equipments, exhibition stand construction, store construction, interior fittings, industrial paint plants
Properties	<ul style="list-style-type: none"><li>– Flame-resistant building material according to building material class DIN 4102 B1</li><li>– Resistance group 1B according to DIN 68861-1 Chemical behaviour</li><li>– Good scratch and smash resistance</li><li>– Good ring strength</li><li>– Good direct adherence on different metals and synthetic materials</li><li>– Conditionally weather resistant</li></ul>
Degree of gloss	Silk gloss (art. 12761), silk matt (art. 11868), matt (art. 13381)
Colors shade	RAL, NCS S, 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) or universal thinner 5119 (art. 10516); the use of other thinners is not permitted.
Pot life	Approx. 20 hrs
Application	High pressure (flow or suction cup, pressure tank, pneumatic pump), low pressure (HVLP/LVLP), suitable for ESTA
Air-drying	Touch-dry: approx. 15 min    Tack-free: approx. 30 min    dry-to-handle: approx. 1 hrs Recoat: approx. 3 hrs    Load-bearing: approx. 5 days
Forced drying	Flashing off: approx. 20 min Drying: approx. 45 min at 60°C or 30 min at 80°C
Dry coating thickness	40 – 60 µm
Consumption	Theoretical: 140 g/m <sup>2</sup> with 45 µm dry film Practical: 190 g/m <sup>2</sup>
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>With regard to corrosion protection, DIN EN ISO 12944 must be observed.</p> <p>By adding 4% KABEDUR SM05 texturing agent (art. 12946), a self-forming textured paint with a fine-grained surface can be achieved. To optimise adhesion to glass, 1% KABEDUR Glasfix 4214 (art. 14214) must be added in relation to component A.</p> <p>In order to improve the resistance for horizontal surfaces in the interior, we recommend a varnishing with KABEDUR SM05 Clearcoat (art. 13247).</p> <p>For goods permanently exposed to the weather, we recommend KABEDUR Email or KABEDUR Lux.</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 2½, according to ISO 8501-1, sweep, phosphatize, chromatize.
Primers	<p>Depending on the requirements and substrate, the following primers can be used:</p> <ul style="list-style-type: none"> <li>– REAKTIONSGRUND</li> <li>– SYNTOPRIMER</li> <li>– POLYAMOL Primer Plus</li> <li>– KABEDUR Grundierfüller</li> <li>– KABEDUR Woodfiller (interior)</li> </ul>

### Technical details

Density	Approx. 1.20 – 1.40 g/cm <sup>3</sup>
Solids	Approx. 58 – 60% weight    approx. 39 – 41% volume
Flashpoint	<div>KABEDUR SM05                      &gt; 21°C</div> <div>PU curing agent 5370              &gt; 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	The information in this data sheet on the properties and application of the products mentioned is given to the best of our knowledge based on our development work and practical experience. Due to the versatility of the application possibilities, it is not possible to present all details. In case of doubt, our application engineers are available for information. In all other respects, the general conditions of sale and delivery apply. This leaflet is revised periodically. In case of doubt, our sales department will inform you about the validity of this document.