

# KABEDUR Email

## 4 : 1 with PU curing agent 5370

Data Sheet 954 / Version 20 / 04.2024

### General description

Product	KABEDUR Email 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 and wood based material for the interior.  This product is also available on our automatic paint mix mashines EUROmix.
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"><li>– Tough-elastic</li><li>– Quick drying</li><li>– No yellowing</li><li>– Good resistance to scratches and chips</li><li>– Very economical</li><li>– Excellent weather-proof qualities</li></ul>
Degree of gloss	High gloss (art. 14298), silk gloss (art. 14299), silk matt (art. 14300), matt (art. 14508)
Colors shade	RAL, NCS S, according to pattern
Container	1 kg, 4 kg, 8 kg, 16 kg, 20 kg
Storage	Protect against frost. 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 faster curing, may also be used with PU hardener 5400 Rapid (art. 13937). The degree of gloss is reduced by silk gloss and silk matt.
Thinning	10 – 30% PU thinner 5320 (art. 10530) or PU thinner 5700 Rapid (art. 14018) for the conventional application. The use of external thinners is not allowed.
Pot life at 20° C	Approx. 6 hours with PU curing agent 5370 or 2 hours with PU curing agent 5400
Application	Compressed air-spray system, ESTA
Air - drying at 20° C	Touch-dry: approx. 45 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  A forced drying can have the tendency of increasing the degree of gloss against air drying.
Dry coating thickness	30 - 60 µm
Consumption	Theoretical: 100 g/m <sup>2</sup> with 40 µm dry film Practical: 170 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	DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.  For heavily exposed to the weather goods, we recommend the use of KABEDUR Lux. With an addition of 10% KABEDUR Strukturpaste (art. 11296) - calculated on Component A - the stability is improved. With 30% KABEDUR Strukturpaste can be generated a structure laquer. The degree of gloss can be reduced as a result.

### Recommended method

Substrate	Steel, aluminium, zinc, wood and derived timber product (interior only)		
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	According to the requirements and substrate, the following primers can be used		
	– REAKTIONSGRUND	– POLYAMOL Primer Eco	– KABEDUR Expressfiller (ind.)
	– SYNTORIMER	– POLYAMOL Primer Plus	– KABEDUR Grundierfüller

## Technical details

Density	Approx. 1.10 – 1.30 g/cm <sup>3</sup>	
Solids	Approx. 59 – 62% weight	Approx. 55 – 57% volume
Flashpoint	KABEDUR Email	> 21°C
	PU curing agent 5370	> 21°C
	PU curing agent 5400 Rapid	> 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	<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>