

KABEDUR SM05 Clearcoat

10 : 1 with PU curing agent 5500

Data Sheet 2314 / Version 08 / 04.2024

General description

Product	KABEDUR SM05 Clearcoat is a quick-drying 2-component PU transparent varnish developed for high quality, rational varnishing of wood and derived timber product in interior areas. KABEDUR SM05 Clearcoat is well suited as finishing varnish for different topcoats. It can also be used as a sealer for wood and derived timber product.
Resin	Acrylate/aliphatic polyisocyanate
Pigmentation	Organic and inorganic pigments
Usage	Furniture and kitchen equipments, exhibition stand construction, store construction, interior fittings, industrial paint plants
Properties	<ul style="list-style-type: none">– Very quick physical surface drying– Rational handling– Good resistance to scratches and chips– Good ring resistance– Outstanding finish– No yellowing
Degree of gloss	Silk matt (art. 13247)
Container	5 l
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 5500 (art. 13246)
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 Recoatable: approx. 3 hrs	Tack-free: approx. 45 min Sandable: approx 3 hrs Dry-to-handle: approx. 2 hrs Load-bearing: approx. 5 days
Forced drying	Flashing off: approx. 20 min Drying: approx. 2 hrs at 40°C or 60 min at 40°C	
Dry coating thickness	20 - 40 µm	
Consumption	Theoretical: 130 g/m ² with 30 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

Wood which has been treated with chemical brightener (oxalic acid, sorrel, ammonia) or acid cleaner may be varnished after a drying time of at least 24 hours.

Recommended method

Substrate	Wood and derived timber product
Pre-treatment	The substrate must be clean, dry, and free from grease, oil and dust.
Primers	– KABEDUR SM05 Clearcoat silk matt diluted
Undercoat lacquer	– KABEDUR Topcoats

Technical details

Density	Approx. 0.95 – 1.05 g/cm ³	
Solids	Approx. 23 - 25% weight	Approx. 20 - 21% volume
Flashpoint	KABEDUR SM05 Clearcoat	< 21°C
	PU Härter 5500	> 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.

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