

# SYNTOTERM

Data Sheet 2422 / Version 04 / 04.2024

## General description

Product	SYNTOTERM is a baking lacquer and has been developed for lacquering different types of metalware indoors, rationally with a single coat.
Resin	Modified alkyd resin / melamine resin
Pigmentation	Organic and inorganic pigments
Usage	Expansion tanks for heating systems, machine components, metalware
Properties	<ul style="list-style-type: none"><li>– Very short stoving time</li><li>– Fast stackable</li><li>– Ready-to-spray</li><li>– Very economical</li><li>– Easy processing</li><li>– Good coverage</li></ul>
Degree of gloss	Silk gloss (art. 13433)
Colors shade	Blue 3M9733 ap. RAL 5012, other colours on request from 200 kg
Container	5 kg, 20 kg, 200 kg
Storage	Store in a cool, dry location in well sealed containers. Pay attention to "Use by" date on label.

## Processing notes

Thinning	The lacquer ist ready-to-spray and should not be deluted any more.	
Application	High pressure (flow or suction cup, pressure Tank, pneumatic pump), ESTA	
Air - drying	Flashing off	approx. 4 min
	Curing	approx. 4 min at 200 °C
	Infrared drying	approx. 4 min at 180 °C
Dry coating thickness	20 - 40 µm	
Consumption	Theoretical:	90 g/m <sup>2</sup> with 30 µm dry film
	Practical:	150 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 nitro thinners 264 or universal thinner 5119 (art. 10516).	
Special notes	DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.	

## Recommended method

Substrate	Steel, aluminium
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 as required and media blast to Sa 2.5 according to ISO 8501-1.

**Technical details**

Density	Approx. 1.10 – 1.30 g/cm <sup>3</sup>	
Solids	Approx. 56 – 58% weight	Approx. 40 – 42% volume
Flashpoint	SYNTOTERM	> 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>