

# TECHNICAL DATA SHEET

**CODE:** KVES005

**NAME:** KVES005 - KONVERTER SATINATO EPOSSIDICO-50

**GROUP:** CONVERTER

## CHARACTERISTICS

Satin epoxy enamel for metal and for cementitious floors as anti-dust coat, formulated with epoxy-polyamide resins which give rise to a particularly hard and waterproof film and which make it suitable for painting metal products and concrete floors.

The product has good adhesion directly to metal after suitable cleaning and after the hardening times indicated in this data-sheet.

Particularly suitable for finishing metal items where good resistance to mineral oils, water, aliphatic hydrocarbons is required. When exposed to external weather, the product tends to chalk ( became more matt and with a dusty surface ), without losing its essential characteristics. the product has partially resistance to aromatic or strong solvents and strongly acidic or alkaline materials. Colourable in various shades with the addition of PPT 02 Series products . It is generally used for painting machine tools, carpentry in general and / or for building applications on concrete floors after pre-treatment.

## TECHNICAL SPECIFICATIONS

KVES005	Property	Specification	Units	Method
	Density (20°C)	1,45- 1,65	gr/cc	IST 11/01
	Viscosity, Ford Cup 4 (20°C)	120 - 160	Cps	IST 11/05
	Solid Content	75 - 80	%	IST 11/06
CVP0227	Property	Specification	Units	Method
	Density (20°C)	0,88 - 0,92	gr/cc	IST 11/01
	Viscosity, Ford Cup 4 (20°C)	11 - 14	Sec.	IST 11/08
	Solid Content	28 - 32	%	IST 11/06

*The values describe the typical properties of the product. Technical Specifications are available upon request.*

## USE

Harden the KVES005 with the hardener CVP0227 at 25% by weight; subsequently thin it with DPV0137. The thinning of the product is established at the time of application according to the application parameters present, recommended at 10-15% by weight. The substrate must be perfectly clean, dry, degreased and free from contaminants; It is recommended a first coat of a suitable primer. DO NOT use the product at temperatures lower than 12-15 ° C. The substrate must have a temperature at least 3°C higher than the Dew Point. Apply with a spray gun having a nozzle from 1.8 to 2.0 millimetres and with a pressure of 2 to 3 bar.

## APPLICATION

Pot-Life	About 6 hours at 20°C
Application viscosity	20 - 22 sec. Ford Cup 4 (20°C)
Amount for single layer.	90 - 110 microns of wet layer
Recommended quantity	110 - 150 gr/m <sup>2</sup> ( two coats )
Dust free	About 30' at 20°C (with good ventilation)
Touch-free	About 2 - 3 hours at 20°C (with good ventilation)
Overcoating - second coat	After minimum 6 hours at 20°C (with good ventilation)
Overcoating - second coat	After about 12 days, it is necessary to sand to overpaint
Stacking	After about 48 hours at 20°C (with good ventilation)

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The data shown refers to laboratory tests, in practical applications these can change slightly according to the working conditions. The user must anyway check the suitability of the product for its expected use, taking upon himself all responsibility arising from its use. Sigmar reserves the right to introduce technical changes without prior notice.

## **STORAGE AND PACKAGING PRECAUTIONS**

Keep it tightly sealed in its original container in a cool environment (between + 5°C and + 35°C) that is not subject to abrupt temperature excursions. Standard packaging size of 20 Kg; for other requests a feasibility evaluation will be made.

## **SAFETY PRECAUTIONS**

The product is intended for professional use only, refer to the Safety Data Sheet.

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