

TECHNICAL DATASHEET

ergo.[®] 7375

(ergo.[®] 7373 resin + ergo.[®] 7374 hardener)

Description

ergo.[®] 7375 is a two-component, flowable and yellow epoxy grade, which has to be used as a 837 : 163 (w:w) mixture. Due to the low viscosity it is quite suitable for potting, even for big volumes and fixing of various materials.

Especially for metals, ceramics, minerals and hard plastics.

Advantages

- good flowing property, self-levelling
- transparent
- slow curing
- may be used as potting compound

Physical properties (liquid product)

Chemical base	epoxy resin		
Curing system	2K System		
Mixing ratio	837 : 163		
	(resin : hardener by weight)		

Viscosity according to DIN EN ISO 3219

(Cone/plate-system; cone C-50, shear rate D=100 s⁻¹; 25°C)

	Resin	ergo. [®] 7373	~1600	mPa•s
	Hardener	ergo. [®] 7374	~ 15	mPa•s
	Mixture		~900	mPa•s
Colour	Resin	ergo. [®] 7373	colorless	
	Hardener	ergo. [®] 7374	yellow	
	Mixture		yellow	
Density	Resin	ergo. [®] 7373	1.13	g/cm ³
@ 23°C	Hardener	ergo. [®] 7374	0.85	g/cm ³

Pot life (100g mixture @ 25°C)

~60 Minutes

Gel time

~200 Minutes

Shelf life

24 month

(in original sealed containers, dry conditions, +5°C to +25°C)

Physical properties (cured product after 2 days/23 °C or 16 hours/40 °C)	
Final strength	2 days at 23°C 16 hours at 40°C
Shore D hardness	65 - 70
Glasstransitiontemperature (T _g)	
24 hours @ +23°C	30°C
72 hours @ +23°C	44°C
16 hours @ +40°C	48°C
Thermal range	- 40 °C to +100 °C
 Electrical properties	
Breakdown voltage	49.6 [KV/mm]
Creep resistance CTI	> 600 [V]

Instruction of use

Resin ergo.® 7373 and hardener ergo.® 7374 must be mixed very thoroughly in the ecommended ratio of 837 : 163 (w:w). In order to remove air bubbles, the mixture should be stored 10 minutes under slight vacuum conditions (50 – 100 mbar). Use the mixture within 30 – 45 minutes.

How to remove excess

Liquid product may be removed by using the cleaner ergo.® 9195 and an absorbent paper. Cured product has to be removed mechanically.

The information in this data sheet is based on the results of our research and experience. However, the suggestions herein concerning the use, application, and processing of the products (collectively, „the methods“) **are non-binding recommendations only**. It is the user's sole responsibility to determine the suitability and safety of these methods, based on the user's particular purpose in using the products. Before relying on the reliability and safety of any parts that are bonded using the products, it is extremely important that the user test the reliability and safety of the parts that are bonded. Failure to do so could result in serious personal injury. Because of the use of the products are within the purchaser's sole control, Kisling Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of the products described herein. Kisling Corporation specifically disclaims any liability for consequential, incidental, or other damages of any kind, including lost profits. Kisling Corporation's liability for damages shall not exceed the purchase price of the products used.

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