

NEOGEL®-ECO 9373

Sprayable ISO / NPG - Gelcoat

Prod. No. 620-9999

Product description NEOGEL®-ECO 9373 is a pre-accelerated gelcoat in a spraying consistence based on an unsaturated ISO/NPG polyester resin dissolved in styrene and TMPTMA. This gelcoat is especially low-emission, has very good hiding power and outstanding weathering properties. The content of volatile organic compounds is below 30 %.

Applications NEOGEL®-ECO 9373 can be used for moulded parts that are subjected to high chemical, thermal and hydrolytic loads as well as strong weathering (e.g. for containers used for chemicals or liquids stored at elevated temperatures). NEOGEL®-ECO 9373 was especially developed for the following markets: marine construction, boat construction, sanitary components, etc.

Specifications / technical data	Property	Test method	Value	Unit
	Density at 20 °C	DIN 53 217/2	approx. 1,1 - 1,3	g/ml
	Viscosity at 25 °C Brookfield RV/DV-II Spl 4 rpm 2	ISO 2555	36 000 - 42 000	mPas
	Viscosity at 25 °C Brookfield RV/DV-II Spl 4 rpm 20	ISO 2555	4 500 - 5 500	mPas
	Styrene content		23 - 26	%
	Flash point	DIN 53 213	+ 34	°C
	Non-volatile constituents		69,6-72,0	%

Curing	Reactivity TM 2626 (100 g gelcoat + 2 ml Butanox M-50)	
	25 °C - 35°C	10 - 13 min
	Tmax	165 - 185 °C
	Gel time at 25 °C in a 100 g cup with 2 ml Butanox M-50:	10 - 13 min

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Attention!

The information given above refers exclusively to the use of the catalyst named and the quantity specified. The use of different products or differing quantities may yield different results. Density depends on pigmentation.

Colouring

NEOGEL®-ECO 9373 can be supplied in a number of shades of colour. It is also available as a pigmented, white base gelcoat with higher viscosity and reactivity (Art. No. 620-0080). Colour matching is also possible if there is sufficient order volume.

Always remember that the viscosity and reactivity of tinted gelcoats may be impaired by pigmentation!

Properties of the cured base resin

<u>Property*</u>	<u>Test method</u>	<u>Value</u>
Tensile strength	DIN 53 455	78 - 88 MPa
Tensile E-modulus	DIN 53 457	3,350 - 3,650 MPa
Elongation at break	DIN 53 455	> 3.5 %
Heat distortion temperature (HDT)	ISO 75-A	approx. 70 °C

* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin conditioned for 8 hours at + 80 °C.

Directions for use

Our release agent system BF 500 /BF 700 has been tested and successfully used with this gelcoat. Before using other release agents, they should be tested for suitability under practical conditions.

If circumstances permit, we recommend post-curing the moulded part for several hours at + 80 °C to achieve optimal gelcoat properties.

For more information on working and curing, see the notes in our Technical Information leaflet, "Working with BÜFA®-Gelcoats".

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Storage/Handling

This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 3 months in unopened, original containers stored up to a temperature of 20 °C. Gel and curing times may change with increasing duration of storage.

Note: The Information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations. The latest version of the corresponding EU Safety Data Sheet must also be observed.

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