

BÜFA®-MARINE-NPG-TOPCOAT-H

ISO/NPG-Topcoat

Prod. No. 759-9999

Product description BÜFA®-MARINE-NPG-Topcoat-H is a pre-accelerated, polyester topcoat in a brushing consistency and is distinguished by very good resistance to chemicals and hydrolysis. The base resin is a pure isophthalic acid / neopentyl glycol resin dissolved in styrene (Synolite 270)

Applications BÜFA®-MARINE-NPG-Topcoat-H is used especially for moulded parts that are subjected to high chemical, thermal or hydrolytic loads (tank construction, corrosion protection, sanitary elements, etc.).

Specifications / technical data

Property	Test method	Value	Unit
Density at 20°C	DIN 53 217/2	ca. 1,2	g/ml
Viscosity at 20°C Brookfield RV/DV-II Spl 5 rpm 5	ISO 2555	25 000 - 30 000	mPas
Styrene content		34 - 36	%
Flashpoint	DIN 53 213	+ 32	°C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g topcoat + 2 ml Butanox M-50)

20 - 30 °C	12 - 20 min
20 °C - Tmax	22 - 40 min
Tmax	150 - 180 °C

Gel time at 20 °C in a 100 g cup with 2 ml Butanox M-50: 12 – 20 min

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.

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Colouring

BÜFA®-MARINE-NPG-Topcoat-H is available in many RAL colours and a number of other shades. It is also available as an unpigmented base topcoat with higher viscosity and reactivity. If there is sufficient order volume, colour matching is possible within limits. However, not every shade of colour can be created due to the difficulty of pigmentation.

Always remember that the viscosity and reactivity of tinted topcoats may change through pigmentation!

Properties of the cured base resin

<u>Property*</u>	<u>Test method</u>	<u>Value</u>
Tensile strength	DIN 53 455	85 MPa
Tensile E-modulus	ISO 527-2	3,600 MPa
Elongation at break	ISO 527-2	3.5 %
Heat distortion temperature (HDT) °C	ISO 75-A	approx. 95

* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin that were cured for 24 hours at + 20 °C and post-cured for 3 hours at 80 °C.

Directions for use

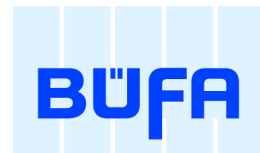
The amount of peroxide added should range between 1.5 % and 2 % Butanox M-50. An insufficient amount may reduce resistance and lead to premature yellowing; if too much peroxide is added, discoloration is possible.

If circumstances permit, we recommend post-curing the moulded part for 6 hours at approx. 80 °C to achieve optimal topcoat properties.

Stir the topcoat gently before using. For more information on working and curing, see some of the notes in our Technical Information leaflet, "Working with OLDOPAL-Gelcoats".

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.



Gelcoat Plus

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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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