

## BÜFA-SWIMM-NPG-TOPCOAT-H

ISO/NPG Topcoat

Prod. No. 763-9999

**Product description** BÜFA®-Swim NPG Topcoat-H is a pre-accelerated polyester topcoat in a brushing consistence. It is distinguished by very good resistance to chemicals and hydrolysis. The base resin is a pure isophthalic acid/neopentyl glycol resin dissolved in styrene.

**Applications** BÜFA®-Swim NPG Topcoat-H is suitable for swimming pools which are known for their high chemical, thermal and hydrolysis loads. The available colours have been especially tested according to the AVK chlorine test (enclosure 2 of the manufacturing guideline for GRP swimming pools, section 6.1) for chemicals used to treat water in private homes but not for treatment with gaseous chlorine or ozone.

### 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 20 °C Brookfield RV/DV-II Spl 5 rpm 5	ISO 2555	15 000 - 25 000	mPas
Styrene content		37 - 40	%
Flash point	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 61)

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 61:** 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.

# BÜFA-SWIMM-NPG-TOPCOAT-H

ISO/NPG Topcoat

Prod. No. 763-9999

## Properties of the cured base resin

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

\* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin conditioned for 24 hours at +100 °C.

## Directions for use

The quantity of peroxide used should range between 1.5 % and 2 % Butanox M-50. Too little peroxide can reduce resistance and lead to premature yellowing; too much can cause discoloration. 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 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.

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.



Gelcoat Plus

# BÜFA-SWIMM-NPG-TOPCOAT-H

ISO/NPG Topcoat

Prod. No. 763-9999

gelcoatplus@buefa.de  
www.buefa.de  
www.buefagelcoatplus.com

A member of the BÜFA-Group