

BÜFA®-STANDARD-GELCOAT-H

Standard UP Gelcoat, brushing quality

Prod. No. 765-9999

Product description BÜFA®-Standard-Gelcoat-H is a pre-accelerated gelcoat in a brushing consistence based on a polyester resin modified with isophthalic acid.

Applications BÜFA®-Standard-Gelcoat-H can be used for moulded parts subjected to normal loads (e.g. machine parts, furniture, industrial moulded parts, canoes, etc.) that are used indoors as well as outdoors. BÜFA®-Standard-Gelcoat-H is distinguished by outstanding working properties and a remarkably low styrene content.

Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C		approx. 1,1 - 1,3	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 4 rpm 4	ISO 2555	30 000 - 38 000	mPas
Styrene content		25 - 32	%
Flash point	DIN 53 213	+ 34	° C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g gelcoat + 2.0 ml Butanox M-50)

20 - 30 °C	15 - 20 min
20 °C - Tmax	25 - 35 min
Tmax	150 - 180 °C

Gel time at 20 °C in a 100 g cup with 2.0 ml Butanox M-50: 15 - 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®-Standard-Gelcoat-H can be supplied in several shades of grey and white and is also available as a tinter variation in article group 565 through the Eurotinter system. It is also available as an unpigmented base gelcoat with higher viscosity and reactivity under Product No. 765-0001. Colour matching is also possible if there is sufficient order volume. Always remember that the viscosity and reactivity of tinted gelcoats may change through pigmentation!

Properties of the cured base resin

<u>Property*</u>	<u>Test method</u>	<u>Value</u>
Tensile strength	ISO 527-2	45 - 52 MPa
Tensile E-modulus 3,200 MPa	ISO 527-2	2,800 -
Elongation at break	ISO 527-2	6 - 7 %
Heat distortion temperature (HDT) 80 °C	ISO 75-A	approx. +

* 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. Stir the gelcoat 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.



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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