

BÜFA®-Standard Gelcoat H Natural

UP Gelcoat, brushing quality

Prod. No. 765-0001

Product description BÜFA® Standard Gelcoat H Natural is a pre-accelerated gelcoat in a brushing consistence. It is based on a special mixture of unsaturated polyester resins modified with isophthalic acid and dissolved in styrene.

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

Specifications / technical data	Property	Test method	Value	Unit
	Density at 20 °C		ca. 1,1 - 1,3	g/ml
	Viscosity at 20 °C Brookfield RV/DV-II Spl 4 rpm 4	ISO 2555	35 000 - 45 000	mPas
	Styrene content		30 - 33	%
	Flash point	DIN 53 213	ca. + 32	° C

Curing

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

20 - 30 °C	16 - 22 min
20 °C - Tmax	27 - 33 min
Tmax	145 - 170 °C

Gel time at 20 °C in a 100 g cup with 2.0 g Butanox M-50: 16 - 22 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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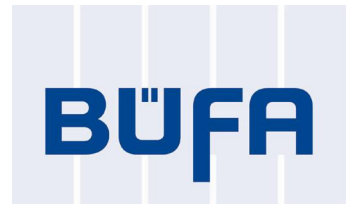
Colouring BÜFA® Standard Gelcoat H Natural can be supplied in most RAL colours and in a number of other colours.

Properties of the cured base resin	Property*	Test method	Value
	Tensile strength MPa	ISO 527-2	45 - 52
	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. 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.



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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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