

BÜFA®-ISO Gelcoat 3000-I-1

ISO Brush Gelcoat with outstanding weathering resistance Prod. No. 6552000

Product description BÜFA®-ISO Gelcoat 3000-I-1 is a fast cure pre-accelerated, thixotropic isophthalic gelcoat ready for use. This gelcoat is a non pigmented brush gelcoat suitable for use in general moulding applications. BÜFA®-ISO Gelcoat 3000-I-1 is intended to be tinted in the desired colour tone by addition of colour pastes.
 BÜFA®-ISO Gelcoat 3000-I-1 is an ISO gelcoat which has a combination of important characteristics: resilience, flexible, easy application, good resistance to long immersion in water (blister resistant), good weatherability (low yellowing and good gloss retention) and good mechanical properties.

Applications BÜFA®-ISO Gelcoat 3000-I-1 is suitable for moulded parts that are subjected to heavy weathering or normal hydrolysis loads (e.g. in boat construction, vehicle parts, shower trays etc).

Specifications / technical data	Property	Test method	Value	Unit
	Viscosity at 25 °C Brookfield RV/DV-II spl 6. rpm 5.	ISO 2555	50.000 - 60.000	mPas
	Viscosity at 25 °C Brookfield RV/DV-II spl 6. rpm 50.	ISO 2555	10.000 - 11.000	mPas
	Styrene content		31 - 35	%
	Flash point	DIN 53 213	34	°C
	Dichte bei 20 °C	DIN 53 217/2	1,05	g/ml

Curing **Reactivity:**
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g gelcoat + 1.0 g Butanox M-50)

25 - 35 °C	13 - 17 min
25 °C - Tmax	21,3 - 23,3 min
Tmax	162 - 198 °C

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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

BÜFA®-ISO Gelcoat 3000-I-1 can be supplied in most RAL colours and a number of other shades. It is also available as an unpigmented base gelcoat with higher viscosity and reactivity under Product No. 655-2000. Pigmented gelcoats are produced via the Eurotinter system, with fast colour matching service available.

Properties of the cured base resin

<u>Property*</u>	<u>Test method</u>	<u>Value</u>
Tensile strength	ISO 527-2	85,5 MPa
Tensile E-modulus	ISO 527-2	3400 MPa
Tensile elongation	ISO 527-2	4,0 %
Heat distortion temperature (HDT)	ISO 75-A	approx. + 92 °C

* Measured in a standard laboratory atmosphere on cast test specimens made of pure resin that were conditioned for 24 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 so that optimal gelcoat properties are achieved. 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

BÜFA®-ISO Gelcoat 3000-I-1 is available in 20 kg and 200 kg packaging. This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 4 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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