

# BÜFA<sup>®</sup>-Ambition-Gelcoat-H nature

ISO hand lay-up gelcoat with outstanding weather resistance - Prod. No. 7459999

## PRODUCT DESCRIPTION

BÜFA<sup>®</sup>-Ambition-Gelcoat-H is a pre-accelerated, thixotropic gelcoat on an isophthalic acid resin base. The gelcoat is unpigmented and can be tinted by adding pigment pastes. BÜFA<sup>®</sup>-Ambition-Gelcoat-H is distinguished by a very good combination of flexibility, good mechanical properties, ease of use, good resistance to osmosis and very good weathering properties (little yellowing and high degree of gloss).

## APPLICATIONS

BÜFA<sup>®</sup>-Ambition-Gelcoat-H can be used for moulded parts that are subjected to strong weathering or normal hydrolysis loads (e.g. for sanitary wares, vehicle construction, etc.).

## SPECIFICATIONS / TECHNICAL DATA

Property	Test method	Value	Unit
Viscosity at 20°C Brookfield RV/DV-II Spl 6. rpm 5.	ISO 2555	25.000 – 50.000	mPas
Viscosity at 20°C Brookfield RV/DV-II Spl 6. rpm 50.	ISO 2555	7.000 – 11.000	mPas
Monomer content		25 - 35	%
Flammpunkt	EN ISO 3679:2014 Verfahren B	47	°C
Density at 20 °C	DIN 53 217/2	1,1 – 1,3	g/ml

## CURING

REACTIVITY		
BÜFA method in accordance with DIN 16 945 6.2.2.1 (100 g gelcoat + 2.0 ml Curox M303)	20 - 30 °C 20 °C - Tmax Tmax	11.0 – 18.0 min 18.0 – 28.0 min 160 - 190 °C

## 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®-Ambition-Gelcoat-H can be supplied in most RAL colours and a number of other shades of colour. It is also available as an unpigmented base gelcoat with higher viscosity and reactivity under Art. No. 745-0001. If there is sufficient order volume, colour matching is also possible. Always remember that the viscosity and reactivity of tinted gelcoats may change through pigmentation!

## 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 BÜFA®-Gelcoats".

## STORAGE/HANDLING

BÜFA®-Ambition-Gelcoat-H 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.