Technical Data Sheet

Gelcoat Plus

BÜFA®-ARCTIC-TOPCOAT-ISO-H

UP-ISO topcoat in a brushing quality Prod. No. 786-9999

Product description

BÜFA® Arctic Topcoat ISO-H is a pre-accelerated topcoat in a brushing consistence. It is based on a special mixture of unsaturated polyester resins modified with isophthalic acid and dissolved in styrene. The topcoat is distinguished by an especially low styrene content and is also xylene-free.

Applications

BÜFA® Arctic Topcoat ISO-H can be used for sealing moulded components that are subjected to normal loads (e.g. machine components, furniture, industrial moulded parts, canoes, etc.). It can be used for applications indoors as well as outdoors.
BÜFA® Arctic Topcoat ISO-H is distinguished by outstanding working properties at working temperatures up to 35 °C.

Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	ca. 1,1 - 1,3	g/ml
Viscosity at 20°C Brookfield RV/DV-II Spl 4 rpm 4	ISO 2555	32 000 - 38 000	mPas
Styrene content		28 - 31	%
Flash point	DIN 53 213	ca. + 32	° C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
(100 g top coat + 1.5 g Butanox M-50)

20 - 30 °C	12 - 20 min
20 °C - Tmax	20 - 30 min
Tmax	150 - 180 °C

Gel time at 20 °C in a 100 g cup with 1.5 g Butanox M-50: 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. Reactivity is strongly influenced by product and working temperature. Density depends on pigmentation.

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Mechanical Properties	Property*	Test method	Value
	Tensile strength MPa	ISO 527-2	75 - 85
	Tensile E-modulus 4,400 MPa	ISO 527-2	3,400 -
	Elongation at break	ISO 527-2	3.5 - 4.5%
	Heat distortion temperature (HDT) °C	ISO 75-A	approx. 90

Colouring

BÜFA® Arctic Topcoat ISO-H is available in a wide range of colours and colour-matching is also possible. In addition, an unpigmented base topcoat version with higher viscosity and faster reactivity is also available.

Tinting or pigmenting the base topcoat may cause deviations in viscosity and reactivity.

Since BÜFA® Arctic Topcoat ISO-H dries tack-free; the surface is uniform and matt and should be polished to a high gloss. Deviating degrees of gloss on the surface may look like differences in the shade of colour.

Directions for use

To achieve optimal gelcoat properties, we recommend post-curing for at least one hour at 80 °C.

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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