

BÜFA®-STANDARD-TOPCOAT-S

Standard UP Topcoat, spraying quality

Prod. No. 766-9999

Product description BÜFA®-Standard-Topcoat-S is a pre-accelerated topcoat in a spraying consistence based on a polyester resin modified with isophthalic acid.

Applications BÜFA®-Standard-Topcoat-S can be used for sealing moulded parts subjected to normal loads (e.g. machine parts, furniture, industrial moulded parts, canoes, etc.) that are used indoors and outdoors. BÜFA®-Standard-Topcoat-S 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 | | approx. 1,1 - 1,3 | g/ml |
| | Viscosity at 20°C Brookfield RV/DV-II Spl 4 rpm 4 | ISO 2555 | 12 000 - 15 000 | mPas |
| | Styrene content | | 25 - 34 | % |
| | Flash point | DIN 53 213 | + 34 | ° C |

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

| | |
|--------------|--------------|
| 20 - 30 °C | 8 - 13 min |
| 20 °C - Tmax | 18 - 23 min |
| Tmax | 140 - 170 °C |

Gel time at 20 °C in a 100 g cup with 2.0 ml Butanox M-50: 8 - 13 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-Topcoat-S can be supplied in several shades of grey and white and is also available as a tinter variation in article group 566 through the Eurotinter system. It is also available as an unpigmented base topcoat with higher viscosity and reactivity under Art. No. 766-0001. Tinting or pigmenting the base topcoat may lead to deviations in viscosity and reactivity. Since BÜFA®-Standard-Topcoat-S dries tack-free, surfaces are uniform matt and can be polished to high gloss. Differences in the gloss of the surface may lead to differences in the shade of colour.

Properties of the cured base resin

| <u>Property*</u> | <u>Test method</u> | <u>Value</u> |
|---|--------------------|--------------|
| 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 topcoat 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.



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.

BÜFA Gelcoat Plus GmbH & Co. KG
Hohe Looge 2-8
26180 Rastede
GERMANY
Phone +49 4402 975-0
Fax +49 4402 975-300
gelcoatplus@buefa.de
www.buefa.de
www.buefagelcoatplus.com

A member of the BÜFA-Group