

# BÜFA®-FIRESTOP S 250-SV NATUR

UP Fire Protection Gelcoat, spraying quality - Prod. No. 508-0001

## PRODUCT DESCRIPTION

BÜFA®-Firestop S 250-SV is a flame resistant gelcoat in a spraying consistence. It is based on a special elasticised mixture of unsaturated isophthalic acid polyester resins dissolved in styrene and MMA. The gelcoat is pre-accelerated and contains less styrene than conventional products in this category. Its fire protection properties are achieved by the addition of ATH. Special additives ensure low smoke density in case of fire. BÜFA®-Firestop S 250-SV is halogen-free and does not contain any additives on a phosphorous or nitrogen base that could have a negative effect on resistance to weather. Due to its filler content, a slight premature loss of gloss on the surface is possible.

## APPLICATIONS

BÜFA®-Firestop S 250-SV can be used for moulded parts used indoors and outdoors that are subjected to normal loads, e.g. furniture, machine components, frames for domed roof lights, etc. OLDOPAL® gelcoats on an ISO or ISO/NPG base should be used for elements subjected to water and extreme weathering. In this case, great attention should be paid to the thickness of the layer of gelcoat as well as increased flame resistance of the laminating resin.

## SPECIFICATIONS / TECHNICAL DATA

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	1,25 - 1,35	g/ml
Viscosity at 20°C Brookfield RV/DV-II spl 5 rpm 5	ISO 2555	15 000 - 20 000	mPas
Styrene content		21 - 24	%
Flash point	DIN 53 213	+ 27	°C

## CURING

REACTIVITY		
BÜFA method in accordance with DIN 16 945 6.2.2.1 (100 g Gelcoat + 1.5 g Butanox M-50)	20 - 30 °C 20 °C - Tmax Tmax	10 - 15 min 30 - 50 min 80 - 120 °C
Gel time at 20 °C in a 100 g cup with 1.5 g Butanox M-50		10 - 15 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.

## COLOURING

BÜFA®-Firestop S 250-SV is available in a number of shades of colour. It is also offered as an unpigmented base gelcoat with higher viscosity under Art. No. 708-0001. Colour matching is possible if there is sufficient order volume. The Eurotinter system can be used to tint products in the 528-xxxx series. Always remember that pigmentation may have a negative effect on the viscosity and reactivity of tinted gelcoats!

## 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 6 hours at approx. 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".

## NOTE

The thickness of the laminate and its entire construction, including any top coats, varnishes, applications, sandwich components, etc. also have a decisive influence on fire behaviour. Always remember that individual component tests are mandatory for most applications.

## 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.

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.