

## BÜFA®-Firestop S 250-SV

Fire Protection Gelcoat, spray quality

Prod. No. 708-9999

### Product description

BÜFA®-Firestop S 250-SV is a flame retardant gelcoat formulated in a spraying consistency. A special elasticised mixture of unsaturated isophthalic acid-polyester resins dissolved in styrene and MMA serves as the base. The gelcoat is pre-accelerated and contains less styrene than most gelcoats in this category. Its fire protection properties are achieved by the addition of ATH. Special additives guarantee 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 weather resistance. A slight, earlier loss of gloss on the surface resulting from the filler constituents has been observed.

### Applications

BÜFA®-Firestop S 250-SV is suitable for moulded articles used in indoor and outdoor areas that are subjected to normal loads, e. g. furniture, machine parts, frames for light domes, etc. Articles that will be exposed to water and extreme weather loads should be coated with OLDOPAL Gelcoat formulations on an ISO or ISO/NPG base. In this case, attention should be paid to the layer thickness of the gelcoat as well as an 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 methode in accordance with DIN 16 945 6.2.2.1**  
(100 g Gelcoat + 2 ml Butanox M-50)

20 - 30 °C	10 - 15 min
20 °C - Tmax	25 - 40 min
Tmax	80 - 110 °C

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**Geltime at 20 °C in a 100 g cup  
with 2 ml 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 Prod.-No. 708-0001. If there is sufficient order volume, colour matching is also possible. 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 for this gelcoat so far. Before using other release agents, they should be tested for suitability under practice conditions. If circumstances permit, we recommend post-curing the moulded part for 6 hours at approx. 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 OLDOPAL -Gelcoats".

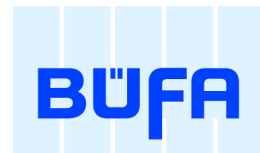
### **Note:**

The thickness of the laminate as well as its total construction, including any topcoats, varnishes, applied materials, sandwich elements, etc., have a decisive influence on fire behaviour. Remember that individual component tests are prescribed 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.



Gelcoat Plus

# BÜFA®-Firestop S 250-SV

Fire Protection Gelcoat, spray quality

Prod. No. 708-9999

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A company of BÜFA and DSM Composite Resins