

## BÜFA®-Firestop GC S 230-SV NATUR

UP Fire Protection Gelcoat, spraying quality

Prod. No. 714-2300

### Product description

BÜFA®-Firestop GC S 230-SV Natural is a flame resistant gelcoat in a spraying consistence based on a special, elasticised mixture of unsaturated isophthalic acid polyester resins dissolved in styrene and MMA. The gelcoat is pre-accelerated and a very low styrene content.

Its fire protection properties are achieved by the addition of ATH and special additives ensure low smoke density in case of fire.

BÜFA®-Firestop GC S 230-SV Natural is halogen-free and does not contain any additives on a phosphorous or nitrogen base that could have a negative influence on weathering resistance. Because of the fillers it contains, there may be a slightly earlier loss of gloss on the surface.

BÜFA®-Firestop GC S 230-SV Natural is highly elasticised and, as a rule, can be easily pigmented with OLDOPAL UP pigment pastes. The gelcoat has good wetting properties, even on difficult release agents.

### Applications

BÜFA®-Firestop GC S 230-SV can be used for moulded parts used indoors and outdoors that are subjected to normal loads, e.g. furniture, machine parts, frames for domed roof-lights, etc..

If the parts are subjected to water loads or extreme weathering, BÜFA gelcoat formulations on an ISO or ISO/NPG base should be used or the parts must be protected with a suitable varnish. However, in this case attention must be paid to the thickness of the gelcoat as well as increased flame resistance of the laminating resin and the component explicitly viewed as a whole.

### Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	1,25 - 1,30	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 5 rpm 5	ISO 2555	25 000 - 35 000	mPas
Styrene content		21 - 24	%
Flash point	DIN 53 213	+ 27	° C

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## Curing

### Reactivity:

**BÜFA method in accordance with DIN 16 945 6.2.2.1**

(100 g bonding paste + 2 ml Butanox M-50)

20 - 30 °C	10 - 15 min
20 °C - Tmax	30 - 50 min
Tmax	80 - 120 °C

**Gel time 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

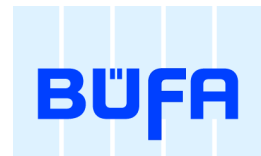
BÜFA®-Firestop GC S 230-SV Natural can be supplied in a number of shades of colour; Product No. 714-2300 is the higher viscosity, unpigmented base gelcoat. If there is sufficient order volume, colour matching is also possible within a limited scope. Always remember that viscosity and reactivity of tinted gelcoats may be impaired by 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 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 BÜFA-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.



Gelcoat Plus

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## 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.

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 company of BÜFA and DSM Composite Resins