

## BÜFA®-Firestop GC S 220-S NATUR

UP Fire Protection Gelcoat, spraying quality

Prod. No. 514-2200

### Product description

BÜFA®-Firestop GC S 220-S Natur is a gelcoat a spraying consistence with limited fire protection properties based on a polyester resin modified with isophthalic acid.

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 220-S Natur is halogen-free and distinguished by good resistance to weather. Because of the filler content, there may be a slight earlier loss of gloss on the surface.

BÜFA®-Firestop GC S 220-S Natur is highly elasticised, can usually be pigmented with BÜFA®-Pigment Pastes without any problems and also has good wetting properties, even on difficult release agents.

### Applications

BÜFA®-Firestop GC S 220-S Natur can be used for moulded parts that are used indoors and outdoors and subjected to normal loads, e.g. bus industry, machine parts, frames for domed roof-lights, etc.

### Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	1,1 - 1,3	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 4 rpm 4	ISO 2555	22 000 - 26 000	mPas
Styrene content		30-35	%
Flash point	DIN 53 213	+ 32	° C

### Curing

#### Reactivity:

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

(100 g gelcoat + 2 ml Butanox M-50)

20 - 30 °C	11 - 17 min
20 °C - Tmax	17 - 23 min
Tmax	150 - 180 °C

#### Gel time at 20 °C in a 100 g cup with 2 ml Butanox M-50:

11 - 17 min

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## 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 220-S Natur is available in a tinter variation under article group 514 through the Euro tinter system and can also be produced in several shades of grey and white. It is available as an unpigmented base gelcoat with higher viscosity and reactivity (Art. No. 714-2200). Colour matching is also possible if there is sufficient order volume.

Always remember that the viscosity and reactivity of tinted gelcoats may change through 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.

## 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.

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A company of BÜFA and DSM Composite Resins