

# BÜFA®-Firestop TC S 250-V light grey BF-70035-E

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BÜFA®-Firestop TC S 250-V light grey BF-70035-E 1000

## Profile

<b>Product family</b>	BÜFA®-Firestop S 250
<b>Product type</b>	Topcoat
<b>Processing method</b>	Hand quality
<b>System</b>	FIRESTOP
<b>Pre-accelerated product</b>	Yes
<b>Resin base</b>	Isophthalic acid (IP)
<b>Production method</b>	Batch manufacturing
<b>Colour</b>	grey
<b>BF-Number</b>	BF-70035-E
<b>Odour</b>	like styrene

## Application Range

BÜFA®-Firestop TC S 250 Topcoats are suitable for interior and exterior moulded parts that are exposed to normal stress, e.g. furniture, machine parts, roof tops, etc. For parts that are exposed to water or extremely weathering, BÜFA®-Topcoat settings on ISO or ISO/NPG basis should be used. In such a case, however, it is essential to pay attention to the layer thickness of the gelcoat as well as to an increased flame resistance of the laminating resin.

## Specification / Technical Data

<b>Density (BM D01) approx.</b>	1,23 g/mL
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<b>Flashpoint (BPV FP 02) approx.</b>	33°C
<b>Viscosity (BM V01)</b>	25,000 - 35,000 mPas
<b>Viscosity at 20 °C with spindle 5 and 5 rpm</b>	

The BÜFA testing standards define the testing scenario after the values are determined in our facilities. They relate to generally accepted standards and are available under request.

## Curing

<b>Reactivity</b>	BM R01
<b>Sample size</b>	100g sample
<b>Peroxide addition</b>	Butanox M-50 2.0 vol.%
<b>Geltime (Reactivity 20-30°C)</b>	10 - 15 min
<b>Curing time (Reactivity 20°C-Tmax)</b>	14 - 30 min
<b>T-Max (Reactivity at 20 °C-Tmax)</b>	90 - 120 °C

ATTENTION! The above information refers exclusively to the use of the peroxides mentioned here in the indicated dosage. If other products are used or if the dosage differs, the results may vary.

The inspection and assurance of the product quality (goods which meet the specifications) take place within the framework of quality control immediately after the product has been manufactured.

BÜFA®-Firestop TC S 250-V light grey BF-70035-E This product can be cured with commercially available ketone peroxides.

In order to achieve the optimum mechanical and fire protection properties, the moulded parts are to be post-cured for at least 6 hours at + 80°C. This achieves the optimal topcoat properties.

## Processing

Optimal results are achieved by observing the following instructions: The wet film thickness of the product in liquid state should be between 400 - 500 µm and should not be less than a layer of 400 µm when wet.

This gelcoat can only be processed manually as a result of the product composition.

For processing and curing, the instructions in our "Working with BÜFA®-Gelcoats" technical information leaflet must also be observed.

## Fire Retardant properties

The thickness of the laminate and its overall structure - including any top layers, paintwork, applications, sandwich inserts, etc. - also have a decisive influence on fire behaviour.

## Other information

The topcoat should be stirred gently before processing.

It is essential to take into account that for most applications individual component tests are prescribed and these are the responsibility of the manufacturer.

This BÜFA®-Firestop Gelcoat is halogen-free and does not contain any phosphorous or nitrogen-based additives which could have a detrimental effect on weather resistance.

## Storage and handling

As a result of the wide range of factors which may influence the operating conditions and the application of the product, the user must still carry out their own tests and trials.

The product must be stored closed, in a cool, dry place and protected from sunlight.

In unopened, original containers, the product can be processed for at least 3 months if properly stored at up to 20 °C.

Higher temperatures reduce storage life.

Frost must be avoided.

The setting and curing times as well as the viscosities may vary with longer storage periods.

The above details have been compiled to the best of our knowledge and are based on our current knowledge and experience. These details only constitute product descriptions. Under no circumstances do they constitute guarantees relating to quality or durability. The processor is obliged to carry out their own tests and investigations in order to take responsibility for any processing and application of our products in the processor's application area. The latest version of the corresponding EU safety data sheet must also be observed.