

BÜFA®-Firestop TC S 260-RV light grey BF-70035-F

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BÜFA®-Firestop TC S 260 Topcoats are flame-retardant, halogen-free products that are based on an unsaturated polyester resin dissolved in styrene. With a carefully selected combination of special flame retardant additives, this gelcoat achieves outstanding fire protection properties. This BÜFA®-Firestop Topcoat is a product that reliably protects the UP resin behind laminates against flames.

Profile

Product family	BÜFA®-Firestop S 260
Product type	Topcoat
Processing method	Rolling quality
System	FIRESTOP
Pre-accelerated product	Yes
Resin base	ungesättigtes Polyesterharz
Production method	Batch manufacturing
Colour	grey
BF-Number	BF-70035-F
Odour	like styrene

Application Range

BÜFA®-Firestop TC S 260 Topcoats are suitable for moulded parts in interior and exterior use that are exposed to normal stress, e.g. façade panels, fire protection, laboratory and ship doors, rail vehicles, wagon construction, etc. Other objects require prior clarification in individual cases. If required, we recommend a suitable protective coating in consultation with our application technology department.

Specification / Technical Data

Density (BM D01) approx.	1,28 g/mL
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Flashpoint (BPV FP 02) approx.	26.5°C
Styrene content approx.	19,50 %
Viscosity (BM V01) Viscosity at 20°C with spindle 4 and 4 rpm	10,000 - 17,000 mPas

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

Reactivity	BM R01
Sample size	100g sample
Peroxide addition	Curox M-303 2.0 wt. %
Geltime (Reactivity 20-30°C)	15 - 25 min
Curing time (Reactivity 20°C-Tmax)	35 - 50 min
T-Max (Reactivity at 20 °C-Tmax)	85 - 105 °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 260-RV light grey BF-70035-F can be cured with the 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 ideally range between 600 - 800 µm and should not be less than 600 µm when wet.

This topcoat 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.

Our BÜFA®-Firestop Gelcoats reliably protect the UP laminate behind them against flames. Nevertheless, if there are higher fire protection requirements, additional UP resin with flame retardant properties should be used.

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.

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, cool, dry 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.