BÜFA®-Firestop GC S 260-SV light grey BF-70035-F

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BÜFA®-Firestop GC S 260 Gelcoats 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 Gelcoat is a product that reliably protects the UP resin behind laminates against flames.

Profile

Product family	S 260
Product type	Gelcoat
Processing method	Spray quality
System	FIRESTOP
Pre-accelerated product	Yes
Resin base	Unsaturated polyester resin
Production method	Batch manufacturing
Colour	grey
BF-Number	BF-70035-F
Odour	like styrene

Application Range

BÜFA®-Firestop GC S 260 products are suitable for moulded parts for internal and external use that are exposed to high stress, e.g. cladding panels, fire safety, laboratory and ship's doors, railway vehicles, wagon construction, etc. Other objects will require individual clarification in advance.

Specification / Technical Data

Density (BM D01) approx.	1.28 g/mL
Flashpoint (BPV FP 02) approx.	33°C

Styrene content approx.	19.5 %
Viscosity (BM V01) **Viscosity at 20°C with spindle 4 and 4 rpm**	8,000 - 15,000 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	2.0 wt% Curox M-303
Geltime (Reactivity 20-30°C)	9 - 15 min
Curing time (Reactivity 20°C-Tmax)	25 - 40 min
T-Max (Reactivity Tmax at 20°C)	95 - 115 °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.

BÜFA®-Firestop GC S 260-SV light grey BF-70035-F can be cured with commercially available ketone peroxides.

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.

In all circumstances, it must be taken into account that the viscosity, reactivity and chemical resistance of the tinted gelcoat may be negatively affected by the pigmentation!

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 gelcoat properties.

Processing

The gelcoat should be stirred gently before processing.
For processing and curing, the instructions in our "Working with BÜFA®-Gelcoats" technical information leaflet must also be observed.
So far, the release agent system Chemlease 41-90 or Chemlease 2196W has been tested and used successfully for this gelcoat.
Other release agents should first be tested for their usability under practical conditions.
Optimal results are achieved by following the instructions below: 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.
After approx. 1 -2 hours, you can laminate with a perfect bond.
This gelcoat can be processed with appropriate application systems from the BÜFA®-Tec range.
ATTENTION! Use only dried and de-oiled compressed air!

Colouring

BÜFA®-Firestop GC S 260 products are based on an unpigmented base gelcoat (nature) with a higher viscosity and reactivity.
BÜFA®-Firestop GC S260 nature is highly elasticised and can only be pigmented to a limited extent with BÜFA® colour pastes due to its contained fire protection properties.
In all circumstances, it must be taken into account that the viscosity, reactivity and chemical resistance of the tinted gelcoat may be negatively affected by the pigmentation!

The density of the product then depends on the degree of pigmentation.
If demand is sufficient, colour adjustments are also possible to a limited extent.
For objects exposed to weather, we recommend a suitable protective coating in coordination with our service technicians.

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.
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.
Settling of the fillers can be observed with increasing storage time. Homogenization of the container before use is therefore essential.

In unopened and undamaged original containers, at storage temperatures of up to 20°C the product can be used for at least 3 months.