

BÜFA®-Firestop TC S 250-V LIGHT GREY

Fire Protection Topcoat, brushing quality

Prod. No. 714-2502

Product description

BÜFA®-Firestop TC S 250-V Light Grey BF-70035-E is a flame retarding top coat in a brushing consistence based on a special, elasticised mixture of unsaturated isophthalic acid polyester resins dissolved in styrene and MMA. This topcoat is pre-accelerated and contains less styrene than most in this category. Its fire protection properties are achieved by the addition of ATH and special additives ensure low smoke density in case of fire. In layer thicknesses normally used for topcoats (400 - 600 µm) it does not essentially influence the behaviour of the laminating resin under fire.

BÜFA®-Firestop TC S 250-V Light Grey BF-70035-E is halogen-free and does not contain any additives on a phosphorus or nitrogen base that could negatively influence weather resistance. Because of the fillers it contains, a slight premature loss of gloss on the surface may be observed. BÜFA®-Firestop TC S 250-V Light Grey BF-70035-E is highly elasticised.

Applications

BÜFA®-Firestop TC S 250-V Light Grey BF-70035-E 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.

Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	1,25 - 1,35	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 5. rpm 5.	ISO 2555	20000 - 25000	mPas
Monomer content		18 - 20	%
Flash point	DIN 53 213	29	°C

Curing

Reactivity:
BÜFA method in accordance with DIN 16 945 6.2.2.1
 (100 g topcoat + 2 ml Butanox M-50)

20 - 30 °C	10 - 15 min
20 °C - Tmax	15 - 25 min
Tmax	90 - 120 °C

Gel time at 20 °C in a 100 g cup

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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.

Directions for use

If circumstances permit, we recommend post-curing the moulded part for 6 hours at approx. + 80 °C to achieve optimal topcoat properties. Stir the topcoat gently before using. 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.

Former product name

709-0255 BÜFA®-Firestop Topcoat S 250-V, light grey.

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