

BÜFA®-Firestop S 430

Fire Protection Laminating Resin

Prod. No. 7160430

Product description Pre-accelerated BÜFA®-Firestop S 430 is a thixotropic, moderately reactive and low viscosity laminating resin that is made of an unsaturated polyester resin on a DCPD base dissolved in styrene. The resin contains a mixture of non-halogenated flame retarding ingredients and is pigmented white.

Applications BÜFA®-Firestop S 430 is suitable for the production of moulded parts with fire protection properties and can be used in hand lay-up as well as spray lay-up processes.

Specifications / technical data	Property	Test method	Value	Unit
	Density at 20 °C	DIN 53 217/2	1,33 - 1,36	g/ml
	solid content	EN ISO 1172	77 - 79	%
	Viscosity at 23 °C Physica Z 2 20s-1	TM 2013	700 - 830	mPas
	Viscosity at 23 °C Physica Z 2 250s-1	TM 2013	400 - 480	mPas
	Flash point	DIN 53 213	32	°C

Curing **Reactivity:**
BÜFA method in accordance with DIN 16 945 6.2.2.1
(100 g resin + 1.5 % by weight Butanox M-50)

20 - 30 °C	23 - 25 min
20 °C - Tmax	30 - 40 min
Tmax	140 - 160 °C

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.

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Directions for use

Due to high thixotropic stabilisation of the resin, there is practically no settling out of the filler. Long stirring procedures should be avoided; the resin should be gently stirred for a maximum of 0.5 h before using. "Gentle stirring" is understood as stirring at low speed, just setting material at the edge of the container in motion. Only a minimal "whirlpool" effect should take place at the centre of the container.

Emulsion bound textile glass fibre mats are the most suitable since they allow quick impregnation by the resin.

Note:

To achieve the best possible mechanical and fire protection properties, the moulded parts should be post-cured for at least 8 hours at + 80 °C.

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.

Fire protection properties

Results in an indicative fire protection test – a 3 mm thick random fibre laminate with 30 % by weight glass was tested.

BS 476 part 7: Class 2

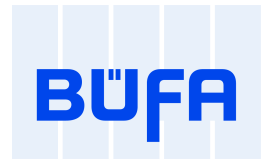
The laminates were produced under ideal, controlled laboratory conditions.

This information does not replace component testing by the manufacturer.

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.

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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