BÜFA UK UP Firestop S 813

Product No. 588-0813

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BÜFA®-Firestop S 813 is a pre-accelerated, thixotropic, highly reactive, low viscosity laminating resin. It is produced from unsaturated polyester resin based on DCPD, dissolved in styrene.

The resin is halogenated, it has a skin-forming agent to reduce styrene emission and is characterised by its excellent fibre wetting.

Profile

Product type	Resin
Product family	Firestop
Base resin	DCPD
Pre-accelerated	Yes
Colour	White

Application

BÜFA Firestop S 813 is used for the production of moulded parts with fire protection properties by hand laminating or spray-up. Its main field of application is in the construction industry.

Specifications / Technical Data

Flash Point	33°C
Density	1.47 g/ml
Viscosity at 25°C with spindle 3 and 50 rpm	1200 cps
Thixotropic index	5.6

The BÜFA testing standards describe the testing scenario with regard to how the values are determined here. The BÜFA testing standards relate to generally accepted standards and should be requested if needed

Curing

Reactivity	Q-020
Addition of peroxide	100 g resin + 1% KP9
Gel time (Reactivity at 25 - 35 Degree)	19 minutes
Gel to Peak	10 mins
T-Max (Peak temperature)	105°C

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.

CAUTION! The above information refers exclusively to the use of the reactants mentioned here in the indicated dosage. If other products are used and the dosage is different, the results may vary.

Processing

The resin should be stirred gently before use.

The thickness of the laminate and its overall structure - including any top layers, coatings, applications, sandwich inserts, etc. - also have a decisive influence on fire properties.
It is necessary to take into account that individual component tests are prescribed for most applications in accordance with the relevant fire protection standards.

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 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.
The setting and curing times as well as the viscosities may vary with longer storage periods.
Sedimentation of the fillers can be observed with increasing storage time.