

# BÜFA®-Firestop 8175-W-1

Art.-No. 7168175

Status: 10/29/2021

BÜFA®-Firestop 8175-W-1 is a thixotropic, medium reactive, low viscosity laminating resin. It is produced from unsaturated polyester resin based on DCPD, dissolved in styrene. The resin is halogen-free and contains aluminium hydroxide as a flame retardant. It is also equipped with a skin-forming agent to reduce styrene emissions.

## Profile

<b>Product type</b>	Resin
<b>System</b>	FIRESTOP
<b>Procedure</b>	open;closed
<b>Procedure assignment</b>	Handlaminier - Process, RTM-light - Process
<b>Pre-accelerated product</b>	Yes
<b>Colour</b>	beige
<b>Odour</b>	like styrene

## Application Range

BÜFA®-Firestop 8175-W-1 is used for the production of moulded parts with fire protection properties and can be used in the hand laminating and winding process and can also be processed in the RTM process under certain conditions.

## Specification / Technical Data

<b>Density (BM D01) approx.</b>	1,45 g/mL
<b>Flashpoint (BPV FP 02) approx.</b>	33°C
<b>Viscosity (BM V01) Viscosity at 20 °C with spindle 5 and 20 rpm</b>	1,500 - 2,500 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

<b>Reactivity</b>	BM R01
<b>Peroxide addition</b>	2.5 weight % Butanox M-50
<b>Geltime (Reactivity 20-30°C)</b>	12 - 17 min
<b>Curing time (Reactivity 20°C-Tmax)</b>	20 - 30 min
<b>Tmax (Reactivity max temperature at 20 °C)</b>	130 - 150 °C

To achieve optimum mechanical and fire protection properties, the moulded parts must be post-cured at + 80 °C for at least 6 hours.

This Product can be cured with commercially available ketone peroxides.

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.

## 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 change as a result of lengthy storage periods.

Sedimentation of the fillers can be observed with increasing storage time.

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.