

BÜFA®-Bonding Paste 0053

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BÜFA®-Bonding Paste 0053 is based on a mixture of flexible orthophthalic unsaturated polyester resins, dissolved in styrene, and is a medium reactive, low-density bonding paste, filled with organic lightweight fillers.

Profile

Product type	Bonding Paste
Product family	Sandwich constructions
Resin base	Orthophthalic acid / Isophthalic acid (OP / IP)
Pre-accelerated product	Yes
Colour	blue

Application Range

BÜFA®-Bonding Paste 0053 is a sandwich bonding paste that has been specially developed for bonding GRP UP laminates to core materials made from synthetic plastic foam or balsa wood. As a result of its cream-like consistency, it is very easy and quick to apply to the surfaces to be bonded.

Specification / Technical Data

Density approx.	0,71 g/mL
Flashpoint approx.	34°C
Styrene content approx.	35,00 %
Viscosity (BM V02) Viscosity at 20 °C with spindle 95 and 5 rpm	600,000 - 800,000 mPas

The BÜFA test procedures describe the test scenario according to which the characteristic values are determined in our company. They refer to generally applicable standards and can be requested if necessary.

Curing

Reactivity	BM R02
Sample size	100g sample
Peroxide addition	Curox M-303 2.0 weight %
Geltime (Reactivity 20-30°C)	45 - 60 min
T-Max (Peak temperature at 20°C)	85 - 110 °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.

In order to achieve the maximum mechanical properties, the product must be tempered.

Processing

BÜFA®-Bonding Paste 0053 can be processed exclusively by hand due to the nature of the product.

The suitability of this bonding paste for bonding with the substrate in question should be checked in advance.

The surfaces to be filled / bonded must be free from dust, oil, grease and any other residues, which may negatively affect adhesion.

After adding the curing agent and stirring thoroughly, the mixture should be transferred to a second container. This ensures the homogenous mixture of the peroxide.

Due to its creamy consistency, this product can be applied very easily and quickly to the surfaces to be bonded.

Other information

Due to the large number of factors that can influence the operating conditions and the application of the product, the user must still carry out their own tests and trials.

Acetone or the BÜFA®-GRP Multi Cleaner can be used in order to degrease and clean the tools, as well as to remove residues of filler which have not cured.

Storage and handling

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.

The inspection and assurance of the product quality (goods which meet the specifications) takes 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.

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.