BÜFA®-Bonding Paste 0114

Art.-No. 7400114

Status: 8/24/2025

BÜFA®-Bonding Paste 0114 is based on an elastified vinyl ester resin. The product is characterized by excellent strength and has very good stability on vertical surfaces. The adapted acceleration offers a comparable product to the 740-0111, but with a shorter gel time.

Profile

Product type	Bonding Paste
Product family	HOCHFEST
Pre-accelerated product	Yes
Colour	colorless
Machine dosable	Machine-dosable - Gamma4 / Theta11
Recommendations for use	Structural bonding

Application Range

BÜFA®-Bonding Paste 0114 is particularly well suited for bonding laminates that are subject to high dynamic loads.

Specification / Technical Data

Density approx.	1.2 g/mL
Flashpoint approx.	34°C
Styrene content approx.	34.1 %
Viscosity (BM V02) **Viskosität bei 20°C mit Spindel 96 und 3 U/min**	1,500,000 - 2,100,000 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

Reactivity	BM R02
Sample size	100g sample
Peroxide addition	2.5 vol% Curox M-303
Geltime (Reactivity 20-30°C)	30 - 40 min
T-Max (Reactivity Tmax at 20°C)	100 - 140 °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.

We recommend post-curing (tempering) the component for several hours at 80°C, as this is the only way to achieve the optimum mold material properties.

Processing

BÜFA®-Bonding Paste 0114 can be processed both manually and with suitable dosing systems, such as the BÜFA®-Tec BPU Gamma4 or the BÜFA®-Tec BPU Theta11.
For the machine processing of our Bonding Pastes with the BÜFA®-Tec BPU Gamma4 we refer to the BÜFA®-Tec Gamma4 container 0302.

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

The surfaces to be filled / fused 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.

The adhesive resin layer should not be less than 1.5 mm thick.

The maximum adhesive layer thickness should not exceed 30 mm.

The recommended bonding paste layer thicknesses should be taken into account in order to be able to ensure good curing at low layer thicknesses on the one hand and also to ensure that the maximum temperature is not too high if the layers are too thick. Layer thicknesses which deviate from this recommendation should each be checked separately.

Other information

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.

Acetone or the BÜFA®-GRP Multi Cleaner can be used for degreasing, cleaning the tools and removing uncured filler residues.

Maritime approval: DNV

Storage and handling

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 product must be kept closed, cool, dry and protected from sunlight.

In unopened and undamaged original containers, at storage temperatures of up to 20 °C the product can be used for at least 3 months.

The setting and curing times as well as the viscosities may vary with longer 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.