

# BÜFA®-Paraffine Solution 10

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BÜFA®-Paraffine Solution 10 is a ready-to-use 10% solution of paraffin in styrene and xylene.

## Profile

<b>Product type</b>	Additive
<b>Main property</b>	Paraffin solution
<b>Application purpose</b>	Designed to prevent surface stickiness
<b>Concentration</b>	10% solution
<b>Solvent</b>	Styrene and xylene
<b>Colour</b>	colourless to yellowish
<b>Odour</b>	like styrene

## Application Range

BÜFA®-Paraffine Solution 10 is used for the tack-free curing of unsaturated polyester resins in air.

## Specification / Technical Data

<b>Density (BM D01) approx.</b>	0,85 g/mL
<b>Flashpoint (BPV FP 02) approx.</b>	30,5°C
<b>Styrene content approx.</b>	50,00 %

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.

## Processing

Since it is not always possible to exclude air, e.g. by covering with film or using counter-moulds, the same objective can be achieved by applying a paraffin layer to the polyester resin. The easiest way to do this is to add BÜFA®-Paraffine Solution to the polyester resin. The paraffin wax precipitates during the curing process, forming a thin film on the surface which protects the resin very effectively, not just against air ingress but also against excessive styrene evaporation.

Before processing, the BÜFA®-Paraffine Solution must be shaken / stirred briefly.

Resin preparations that are to cure in air are added to the paraffin solution at a resin temperature of at least 20 °C, depending on the resin type (see recommendations below). With high filler additions, this quantity may have to be increased depending on the type and proportion of the fillers. The same applies to high percentages of flexible resins.

To ensure that the paraffin floats evenly over the entire surface during curing, different amounts of paraffin solution are added to the individual polyester brands. In the case of glass fibre reinforced laminates without resin enrichment, lower paraffin additions are often sufficient. The following specifications apply to curing with cobalt accelerator; when using amine accelerators, the effect of the paraffin is not as good.

Resin type / added amount: --> orthophthalic acid resins / 2 - 3 % --> isophthalic acid resins / 2 - 3 % --> elastic resins / 6 % --> vinyl ester resins / 5 % --> ISO / NPG resins / 5 %

ATTENTION! BÜFA®-Paraffin Solution must not be processed at temperatures above 28 °C or in direct sunlight, as above this temperature the paraffin does not float out of the polyester resin. Tack-free curing is then not guaranteed.

## Storage and handling

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.

The product must be stored closed, in a cool, dry place and protected from sunlight.

In unopened and undamaged original containers the product can be processed for at least 4 months at storage temperatures between 20 and 25 °C.

The product should ideally be stored at a temperature of at least 22 °C. If temperatures are too high, the styrene polymerises; if temperatures are too low, the paraffin flocculates, but can be brought back into solution by heating. Frost must be avoided.

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 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.