

Technical data sheet

AVANTI – spray glue

re-positionable

Description:

AVANTI is an absolutely new spray glue for fast positioning of reinforcing materials.

AVANTI – spray glue was developed to fix the glass- or carbon reinforcements like core materials but also preregs in the mould in processes under pressure like infusion resp. RTM.

Specifics:

AVANTI – spray glue is compatible with the most polyester-, vinylester-, epoxy-resins and its monomers. Due to the numerous different resin recipes, we still recommend a pilot test to control especially adhesion and laminate strength.

The compatibility is reached since **AVANTI – spray glue** doesn't only react with the solvents contained in the resins, but also reacts to certain resin basics and so becomes part of the polymerization process.

The mechanical strength of the component will not be effected also by automatically over dosage.

Advantages:

- ▶ high adhesion to gelcoat, barrier-coat, reinforcing materials
- ▶ compatible with polyester-, vinylester- and epoxy resins
- ▶ no disturbance of the mechanics, even at over dosage
- ▶ no influence of the resin polymerization
- ▶ no limitation of adhesion e.g. after correction of the remaining material
- ▶ no depression of the laminate connection of the single layers.
- ▶ contains a blue dye for better control
(colour disappears whilst polymerization)

Chemical and physical characteristics of AVANTI – spray glue

Characteristics	Typical values	Unit	Method
Appearance	blue liquid	--	--
Density at 25°C)	0.95	g/m ³	I.O.805
Viscosity (50 rpm at 25°C)	20 – 80	mPa.s	I.O.368

** The spray glue must be stored in original packages, sealed, undamaged, dry, at a temperature between 5°C and 25°C.

Application:

- **AVANTI – spray glue** is sprayed. It can be sprayed on one but also on both sides of the space that must be glued.
- The time, that **AVANTI – spray glue** requires to develop its complete adhesive power, depends directly from the working conditions (temperature, air moisture a.s.o.) and varies from 30 sec. to several minutes.
- Higher temperatures and good aeration support the evaporation of the liquid components and accelerate the adhesive power.
- Applying thicker layers (intensive blue colorations), which are necessary when heavier fabrics are used, the process slows down, then the fabric can be positioned.
- Applying a spray tin it must be used in a distance of 20-30 cm.
- Applying **AVANTI – spray glue** in hobbocks or barrels all sprayers can be used, which are laid out to low viscous media. An airless system is recommended.
- Average usage: 1 kg for 60-100 m² at airless application.
- A spray tin suffices for 5 – 9 m².
- Rests or surplus material can be removed with acetone.

Delivery shape:

AVANTI – spray glue is available in

- 500 ml spray tins
- 5 kg hobbocks
- 200 kg barrels

Storage recommendation:

The product should be stored in original packages, air- and lightproof. At a storage temperature below 20°C the product remains stable for 12 months after production date.
The spray tins shouldn't be exposed to temperature over 50°C.

All information contained in this data sheet are based on our technical and scientific knowledge, but buyer and user should make their own trials with our products under their own use conditions.