



Specialty Composites

Polyester & Vinylester specialty products

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Technical data sheet

FSP[®]-HV 1538 Fibré

FSP[®]-HV High Viscosity

Polyester unsaturated-resin based fiber reinforced bonding paste, pre-accelerated, thixotropic. Good flexibility, low shrink. For laminate bonding and cavity filling.

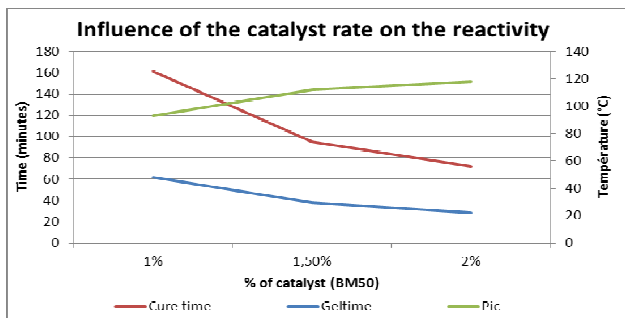
ADVANTAGES:

- Easy to apply and to level
- High mechanical properties, good elongation
- Catalyst revelator included
- High thixotropy, allowing application of big thickness on vertical parts without sagging
- Low shrinkage, minimum print through
- Excellent adhesion of Polyester laminates, wood/polyester, Omega bonding.
- Used in the Marine, Swimming pools, Transport and industrial applications

TECHNICAL SPECIFICATIONS:

Static viscosity (poises)	15 000 - 20 000
Thixotropy	≥ 5,5
Density	1,33 ±0,05
Geltime (min) *	25 - 40 min
Cure time (min)	50 - 80 min

*Reactivity on 200g mass, with 2% PMEC 50, at 20°C



Mechanical properties of the base resin:

Flexural strength	(MPa)	116	EN ISO 178
Flexural modulus	(MPa)	3801	EN ISO 178
Flexural elongation at break	(%)	4,1	EN ISO 178
Tensile strength	(MPa)	65	EN ISO 527
Tensile modulus	(MPa)	2955	EN ISO 527
Tensile elongation at break	(%)	2,9	EN ISO 527
HDT	(°C)	64	EN ISO 75-2

APPLICATION:

This product must be used at workshop temperature between 15 and 30°C.

Catalyze: between 1 and 2 % of MEKP 50, according to the requested thickness and production cycle.

Material bonding on laminate

The surface must be free from any contamination and should not be coated with paraffin. All organic coating such as epoxy, polyurethane or alkyd paints should be removed completely.

The laminate must be minimum in gel.

Prepare and add the catalyst.

The catalyst revelator enables to check the quality of the mixing.

Depending of the storage time and temperature, the gel time can change. In that case it is possible to increase the catalyst level up to 3%.

Application with spatula, pastry bag and suitable bonding machines.

We do not recommend application with less than 10°C (air and surface temperature)

Please contact us for further information.

STORAGE CONDITIONS:

Product should be kept away from direct sunshine and at temperature below 20°C. Under these conditions, the product will keep its properties 4 months from production date.

The information contained in this technical data sheet reflects our current knowledge. It aims at providing information about the application possibilities.

As we cannot control the applications' conditions, we cannot be held as responsible beyond the providing of material in accordance with our specifications.

Consult the material safety datasheet.