

Technical data sheet

FSP[®]-HV 1537

FSP[®] - HV High Viscosity

Polyester bonding paste suitable for Balsa wood, Polyurethane foam or PVC foam adhesion to glass fiber reinforced polyester/vinylester laminates.

ADVANTAGES:

- Easy to apply and to level
- High mechanical properties
- Catalyst revelator included
- High thixotropy, allowing application of big thickness on vertical parts without sagging
- Easy positioning of cores in sandwich structures
- Low shrinkage
- Semi-flexible
- Excellent adhesion of core materials (balsa, foam...)
- Also suitable as a bonding paste for other materials

TECHNICAL SPECIFICATIONS:

Ref.	FSP-HV 1537
Static viscosity (cps)	450 000 – 600 000
Thixotropy	≥ 7
Density	1.3 ± 0.05
Gel time (minutes) *	40 - 60
Gel time (minutes) **	15 - 30
Full cure	After 3 hours

* Reactivity of 100 gr mass with 1% PMEC 50 at 20°C

** Reactivity of 100 gr mass with 2% PMEC 50 at 20°C

TYPICAL MECHANICAL PROPERTIES:

Flexural strength	(MPa)	126	EN ISO 178
Flexural elasticity modulus	(MPa)	3591	EN ISO 178
Flexural elongation at break		4.5%	EN ISO 178
Tensile strength	(MPa)	59	EN ISO 527
Tensile elasticity modulus	(MPa)	3350	EN ISO 527
Tensile elongation at break		2.7%	EN ISO 527
HDT	(°C)	61	EN ISO 75-2

Allow time for cure with constant pressure on the core before laminating on top.

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.

APPLICATION:

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

Catalyze: between 0.6 and 2.0 % of MEKP 50, according to the requested thickness and production cycle.

Core 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.

Apply the requested thickness (max. 20mm), with a paste spatula.

Apply the core on the paste and press to spread the FSP and chase the air...