



Specialty Composites

Polyester & Vinylester specialty products

Phone : +33 (0)2 51 46 33 02 • Fax : +33 (0)2 51 46 34 40  
contact@euromere.com

## Technical data sheet

### FSP<sup>®</sup>-VE 9000

### FSP<sup>®</sup> - HV High Viscosity

100% Vinylester bonding paste for structural adhesion, white pigmented, low exothermic peak and low shrinkage.

For vertical and thick applications. Manual or gun application.

#### ADVANTAGES:

- High thixotropy
- Low shrinkage
- Very good adhesive qualities
- easy for manual application
- offers high-build capability, 1-10 mm by pass
- Excellent fatigue and water resistances
- Greater mechanical properties than conventional UP paste
- Ideally suited for non re laminated structural adhesion
- Offer high level of mechanical properties retention under long term use in difficult condition
- Ideal for Marine, Wind Mill Blades and other high demanded areas

#### TECHNICAL SPECIFICATIONS:

- viscosity : Tested on Brookfield viscometer at 20°C :  
5 rpm = 4000 – 5000 Poises
- thixotropy :  $\geq 6.5$
- reactivity : Tested on a 200 gr mass, catalyzed with  
2% of P MEC 50 at 20°C  
Gel time = 40-65 minutes
- density :  $D = 1.1 \pm 0.05$

#### Properties of the polymerized pure resin:

Propriétés	Valeurs	Normes
Tensile strength	35-40 MPa	ISO 527-1993
Tensile Modulus	3300 MPa	ISO 527-1993
Elongation at break	2.6 – 3.7 %	ISO 527-1993
HDT	72°C	ISO 75-1993
Linear shrinkage	1.8%	ASTM D 2566-69
Barcol hardness	40	ASTM D 2583-99
Shore D after 4 hours curing minimum	60	-
Thermal expansion coefficient	$< 65.10^{-6} \text{ }^{\circ}\text{C}^{-1}$	DIN 53752
Water absorption, 28 days	$< 0.65\%$	ISO 62-1999

#### APPLICATION:

Make sure that the surface is clean, without dust, oil, or any contaminant that could affect adhesion.

Well mix before use.

Prepare with 2% max. of P MEC 50 catalyst.

Apply with tools, cake bags or pressure plate machine.

Application is not recommended in ambient or on surface temperature below 10°C.

After complete cure, product can be sanded.

#### 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 5 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.