



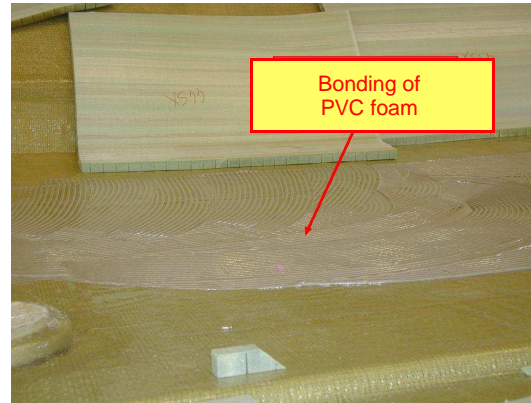
P11
POLIBONDER LEGGERO “VE”
VINYLESTER LIGHT BONDER
FOR CORE MATERIALS

**Description**

Special unsaturated vinylester resin-based bonder, with microspheres and light mineral filler.

Main Features

- Light.
- High temperature resistance.
- Easy to apply.
- High adhesive power.
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**Recommended uses**

P11 is a specially-formulated bonder for the adhesion of core materials for structural sandwiches, where limited weight and high adhesion capacity are essential requirements for quality application. It is excellent when used for:

- gluing PVC foams and other core materials.

Hardeners

P11 is a two-component bonder and must be mixed accurately with the specific liquid hardener, methylethylketone peroxide (MEKP).

Catalysis ratio

P11 should be mixed with a percentage of hardener that takes into account the ambient temperature, never less than 5°C, in which the process is carried out.

Catalysis and Temperature	Hardener Liquid MEKP
between 5 e 10° C	3.0%
between 10 e 20 °C	2.0%
above 20 °C	1.0%

Properties

After application, the properties of the bonder vary according to the type of hardener used and the working temperature. At 20°C, the specifications of P11 bonder are illustrated in the following table:

P11 Ultra-light Bonder with Liquid Hardener MEKP		
<i>Property</i>	<i>unit</i>	<i>value</i>
Colour	-	Light blue viracolor
Gel Time at 20°C	min	50 ± 10
Specific weight	kg/L	1.00 ± 0.03
Linear shrinkage ¹	%	0
Water absorption ²	%	0.7
Tg (after 2 hours at 80°C) ³	°C	100
HDT(after 2 hours at 80°C) ⁴	°C	85

¹ After 2 h at 80°C.

² UNI EN ISO 62

³ DSC Test at 20°C/min under N₂, ISO 11357

⁴ DMA Test, ASTM D648-01

Elongation at break ⁵	%	1.4
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Packaging

P11 is supplied in:

- pails containig 15 kg net.

Storage

Store in the original, sealed packaging at a temperature below 20°C. Do not expose to heat or sunlight. The product will remain stable for 4 months from the date of shipment.

⁵ ISO 527-1