



# P02 POLIBONDER SOFT LEGGERO F LIGHT BONDER FOR CORE MATERIALS



## Description

Special bonder based on unsaturated polyester resins, light fillers and microspheres.

## Main Features

- Light specific weight 1.0 g/L.
- Easy to apply by spatula
- High bonding power

## Recommended uses

P02 is a specially-formulated bonder for the adhesion of core material, 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

P02 is a two-components bonder and must be mixed thoroughly with the specific liquid hardener C08 (Cyclohexanone peroxide).

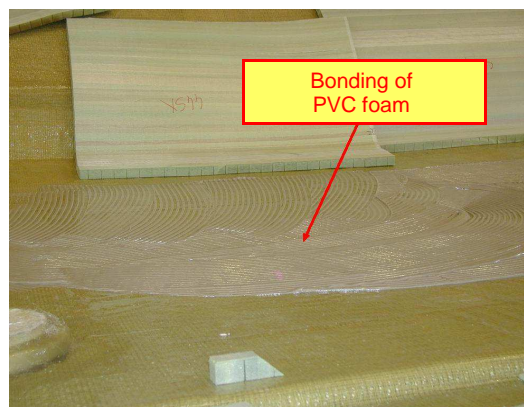
## Catalysis ratio

P02 bonder must be mixed with a percentage of hardener taking the current room temperature where it will be used into account. Never work at temperature below 5°C.

Catalysis and Temperature	Hardener Liquid C08
between 5 e 25° C	2.0%
above 25 °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 P02 bonder are illustrated in the following table.



P02 light bonder with C08 Liquid Hardener		
Property	u.m.	value
Colour	-	Light blue viracolour
Gel Time	min	120 ± 25
Specific weight	kg/L	1.00 ± 0.03
Linear shrinkage <sup>1</sup>	%	0.5
Shore Hardness D	D	60
Tg (after 2 hours at 80°C) <sup>2</sup>	°C	78
HDT(after 2 hours at 80°C) <sup>3</sup>	°C	76
Tensile elastic modulus <sup>4</sup> (after 2 hours at 80°C)	MPa	3552

## Packaging

P02 is supplied in:

- pails containing 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 1 year from the date of production in these conditions.

<sup>1</sup> ASTM D2566

<sup>2</sup> DSC Test at 20°C/min under N<sub>2</sub>, ISO 11357

<sup>3</sup> DMA Test, ASTM D648-01

<sup>4</sup> Test with INSTRON 5582, ISO 527-1