



P01 POLIBONDER SOFT LIGHT



LIGHT BONDER FOR CORE MATERIALS

Description

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

Main Features

- light specific weight 1,0 g/L
- easy to apply by spatula
- high bonding power

Recommended uses

P01 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

P01 is a two-components bonder which must be accurately mixed with specific C08 liquid hardener (Cyclohexanone peroxide) .

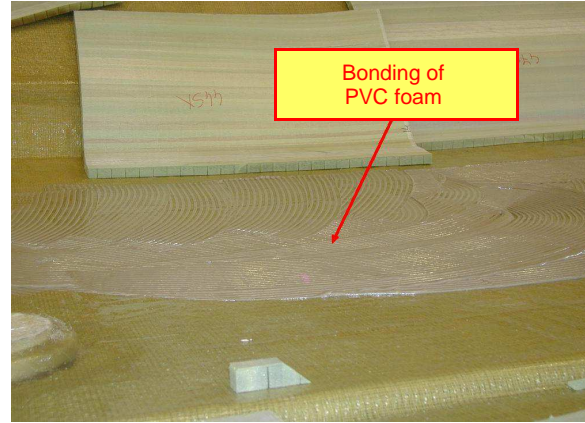
Catalysis ratio

P01 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	C08 Liquid Hardener
Between 5 e 25° C	2,0%
Over 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.



Light Bonder P01 With 2 % Liquid hardener C08		
Properties	u.m.	value
Colour	-	viracour
Gel time a 20°C	min	75±25
Specific weight	kg/L	1,00 ± 0,03
Linear shrinkage ¹	%	0,5
Shore Hardness D	D	60
Tg (after 2 hours at 80°C) ²	°C	78
HDT(after 2 hours at 80°C) ³	°C	76
Modulus (traction) ⁴ (after 2 hours at 80 °C)	MPa	5486

Packaging

P01 is supplied in:

- pails containing 15 kg net
- drums containing 135kg net.

Storage

Store the product in the original, sealed packaging at a temperature of less than 20°C, well away from heat sources and sunlight. In these conditions, the product will remain stable for one year form the production .

¹ Value referred to the sample with 2% liquid hardener C08 after a curing of 2 h at 80°C

² DSC Test at 20°C/min in N₂, ISO 11357

³ DMA, Test ASTM D648-01

⁴ Mechanical test with Instron 5582, ISO 527-1

