

P50 TEX FIBERGLASS



GENERAL PURPOSE REINFORCED PUTTY



Description

Putty based on unsaturated polyester resins, reinforced with glass fibers and mineral fillers.

Main features

- Very easy application by spatula
- Easy to sand
- Very good mechanical strength

Recommended uses

P50 has been formulated for assembling glass-reinforced plastic and different materials together. It can be used in processes such as:

- Spars and bulkheads fixing
- Leveling FRP surfaces

Hardeners

- P50 is two-components which must be accurately mixed with the specific hardener C10 (Benzoyl peroxide)

Catalysis ratio

P50 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	C10 paste hardener
Between 5 and 10° C	3.0%
Between 10 and 20 °C	2.0%
over 20 °C	1.0%

Do not exceed these percentages. Excessive amounts of hardener can lead to peroxide stains during the finishing phase.

Properties

When the product is applied, it will assume mechanical properties that depend on the temperature at which the process has been carried out. The characteristics measured at 20°C are reported in the following table.



P50 with 2% C10 Paste hardener		
<i>Properties</i>	<i>u.m.</i>	<i>Value</i>
Colour	-	Grey-green
Gel time	min	6.0 ± 1.0
Specific weight	kg/L	1.48 ± 0.10
Linear Shrinkage ¹	%	0.35
Shore hardness D	D	65
min. sanding time	min	40
Water absorption ²	%	2.4
Tg (after 2 h at 80°C) ³	°C	97
HDT(after 2 h at 80°C) ⁴	°C	82
Flexural modulus of elasticity ⁵	MPa	3670

Packaging

P50 is supplied in

:

- 125, 500 and 750 mL tins.
- 4 L tins.
- pails containing 25 kg net.

Storage

Store the product in the original, sealed packaging at a temperature of less than 20°C,

¹ After 2 h at 80°C.

² UNI EN ISO 62

³ Test DSC at 20°C/min in N₂.

⁴ Test DMA, ASTM D648-01

⁵ Test with Instron 5582, UNI EN ISO 178

well away from heat sources and sunlight. In these conditions the product will remain stable for 2 years from the date of production.