P25
VINYLESTER REINFORCED ADHESIVE - FILLER

Description
Vinylester resins based with organic fibers, glass fibers (max length 3 mm) and mineral fillers.

Main Features

- High osmosis and chemical resistance
- thixotropy
- high mechanical properties
- very good adhesive power
- good flexibility.
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Recommended uses
P25 is expressly formulated to repair anti-osmosis laminates. It can be used in processes such as:

- Hulls' joining
- Repairing of surfaces damaged by osmosis.
- Filling of small-medium radius edges and curving..

Hardeners
P25 is two-component and must be accurately mixed with the specific hardener C08 (Cyclohexanone peroxide).

Catalysis ratio
P25 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 and 10° C	3.0%
between 10 and 20 °C	2.0%
over 20 °C	1.0%

Properties

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

P25 with 2% Liquid C08 hardener		
Properties	*u.m.*	*Value*
Colour	-	Colour-changing
Gel Time	min	40.0 ± 5.00
Specific weight	kg/L	1.30 ± 0.05
Linear shrinkage[1]	%	0.4
Shore Hardness D	D	70
Water absorption[2]	%	0.5
Min sanding time	min	270
Exothermic peak	°C	76
Tg (after 2 h at 80°C)[3]	°C	105
HDT(after 2 h at 80°C)[4]	°C	97

Packaging
P25 is supplied in :

- Pails containing 25 kg 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 4 months from the date of shipment.

[1] ASTM D2566
[2] UNI EN ISO 62
[3] DSC Test at 20°C/min in N_2, ISO 11357
[4] DMA test , ASTM D 648-01