

● PTE 2200

Solvent free, two-component epoxy resin designed to impregnate glass fibre laminates and hoses with reinforced polyester felts

Properties

- low-viscosity, good chemical resistance, for the repair of waste water elements which are constantly moist
- develops high strength
- resistant to a wide range of acids and alkaline solutions
- can be used on damp mineral based substrates (i. e. in waste water pipes) or on metallic substrates
- good adhesion on concrete, brick and ceramic substrates
- no physiological harmless (following curing)

Areas of application

- for the impregnation and deep penetration of glass fibre laminates and hoses with reinforced polyester felts
- repair of damaged pipes, pipings and construction elements in connection with waste water

Application

Substrate preparation

The substrate must be clean and free from any dirt, dust, oil and other contaminants. The substrate must be sound and a substrate pull-off strength of $> 1.5 \text{ N/mm}^2$ is required. Please refer to our technical leaflet „Substrate and Surface Preparation“.

Mixing

PTE 2200 consists of a base and hardener component, which are supplied in prebatched containers. Before application, the two components should be thoroughly mixed, preferably by a mechanical mixer rotating at low speed. The pre-batched containers should be emptied fully for reasons of environment and in order to comply with the mixing ratio.

Application

PTE 2200 is applied by impregnation or deep penetration respectively. All the material to be impregnated (fabrics, felts or hoses respectively) must be fully dry. If dampness is present a suitable bond of the fibres will not be achieved. This may lead to less strength of the liner or to deficiencies whilst hardening.

**Products from pmt - For the perfect sealing****Technical data PTE 2200**

(Technical values refer to + 20 °C and 50 % relative humidity)

Base component	Epoxy resin
Colour	yellow
Number of components	2
Mixing ratio	base : hardener (parts by weight) 3 : 1
Specific weight (mixture)	1.10 kg/l
Pot-life (100 g)	approx. 80 min at + 15 °C
Pot-life 10 kg	approx. 85 min at + 15 °C
Pot-life of the impregnated material	approx. 3.5 hours at + 15 °C
Coverage	dependent on the density and thickness of the laminates/hoses (generally 0.9 l/mm fabric thickness and m ²)
Curing time of an impregnated felt	approx. 13 hours at + 10 °C without contact to ground water. After 20 hours with contact to ground water.
Drying time	approx. 9 hours at + 15 °C
Minimum application conditions	> + 8 °C ambient and substrate temperature
Cleaning agent	Cleaning Agent U
Storage (not mixed)	Shelf life in dry conditions of at least 6 months in originally sealed containers (at temperature below + 20 °C). Do not store at too low temperatures, thus assuring workability within the potlife.
Disposal	In the interest of our environment please empty all packs completely.

High temperatures shorten, low temperatures extend all stated times. In general, a temperature change of 10 °C halves or doubles the specific intervals.

Miscellaneous:

Both components have to be declared as dangerous goods according to the „Dangerous Goods Declaration“. The instructions on the pre-batched containers have to be observed.

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