

MonniSeal°1200 LNTR

1.2 mm thick Non-Toxic PVC Reinforced Membrane for Internal Water Tank

Product Description

MonniSeal 1200 LNTR is a non toxic calendered high polymer waterproofing reinforced membrane.

Properties

Appearance:	PVC rolled sheet reinforced membrane
Membrane thickness:	1.2mm
Colour:	White, Blue or Grey

Uses

Waterproofing for inside lining of drinking water tanks

Advantages

- Non-toxic membrane for potable water tanks.
- Easy & fast application using hot air welding for joints.
- Eliminates all problems of treating expansion joints.
- Does not require special surface treatment for concrete wall.
- High resistant to algae formations.

Standards

Tested according to testing requirements of BS 6920 for non-toxicity

Method of Application

MonniSeal PVC Waterproofing membranes are laid over the cleaned smooth surface with 5 cm overlapping between roofs welded together typically using hot air gun & fixed mechanically to the vertical wall of the tank according to the the following details:

- RCC Water Tank Shell
- Protection Layer (optional)
- MonniSeal PVC 1200 LNT Non toxic Liner
- (50x50cm) PVC Coated Aluminium Sheet
- (30mm Width) aluminium strip mechanically fixed
- Hot air welding

Technical Data

Test Performed	Standard and Requirements	Results
Membrane Thickness	ASTM D 4434	1.2 mm
Mass	DIN16735	1.96 kg/m ²
Tensile strength	DIN 16735 Min 10.40 N/mm ²	≥15.0 N/mm ²
Elongation at break	DIN 16735 Min 150%	> 300%
Thermal Stability	DIN 16735 Less than 1% (6 hrs - 90°C)	<0.1%
Tear Strength	Min 80 N	> 100N
Puncture Resistance	DIN 16735 Drop hammer 500 grams, from 300mm no leak	Passed
Water Vapour diffusion Resistance	DIN16735 Less than 30,000	<22,000 μ
Cold Bend	DIN 16735 No cracks at -20°C	No cracks at -30°C
Resistance to Algae & Rot		High resistance
Fire Class	DIN 4102	Class B2

Complementary products:

PVC Coated Aluminium sheet for termination Geotextile membrane
 Protection layer
 PU Sealant
 Aluminium flashing
 Steel washers

Ambient Air Temperature

+5°C - +60°C

Packaging

Roll size: 2.10 m (roll width) x 20m (roll length)

Storage

Rolls shall be stored in their original package, in horizontal position and under cool and dry conditions protected from direct sunlight and rain.

Health and Safety

- Local safety regulations must be observed. Information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet.

Legal disclaimer

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