

PrimaTess PVC Tunnel

PVC-P geomembrane with signal layer for waterproofing of tunnel and underground constructions.

Product properties

- Environmentally friendly waterproofing geomembrane, free of harmful substances in accordance with REACH
- Geomembrane with thin signal layer over black underlayer for easier detection of damages
- High resistance to perforation
- Easy to weld
- Resistant to chemicals, microorganisms, weathering and ageing
- Excellent mechanical characteristics

Fields of application

- Waterproofing of all kind of underground structures exposed to ground water leakage i.e. tunnels, basements, stations and shafts

Surface preparation

- Surface has to be clean, dry without snow or ice. Debris and sharp objects must be removed from the surface

Application

- The geomembrane is laid in a single layer and connected on a 10-15cm wide overlap with specialized hot air welding devices

Storage

- Store in dry place, not exposed to high temperatures. Rolls to be placed horizontally, always parallel and never crossed

Essential characteristics		Primatess Type A and Type T thickness			Harmonized technical specification
		1.5	2.0	3.0	
		Performance properties			EN 13341:2004, EN 13361:2004/A1:2006 EN 13491:2004, EN 13491:2004/A1:2006
Mechanical properties tensile strength	Max. strength Stretching (N/mm ²)				
	-along	≥ 15	≥ 15	≥ 15	
	- across	≥ 14	≥ 14	≥ 14	
	Elongation (%)				
	-along	≥ 250	≥ 300	≥ 300	
	- across	≥ 230	≥ 280	≥ 280	
Static puncture resistance (kN)		2,7	3,4	4,2	
Water permability m ³ m ⁻² 24h ⁻¹		<10 ⁻⁶			
Durability	Weathering	Change in tensile strength and elongation <25%			
	Oxidation	Change in tensile strength and elongation <25%			
	Stress corrosion due to environ- mental influ- ences (h)	NPD			
Dangerous substances		Does not contain dangerous substances			

Warnings

- The user must check the suitability for the intended use and purpose of the product
- Data and recommendations related to the application and end-use of PrimaTess products are given in good faith based on PrimaTess current knowledge and experience
- All the physical and technical specification listed above are based on lab tests

Packaging

- Rolls width 2,1 m x 15 to 45 m long
(dependant on thickness of material required)

Certificates

- Certificate of the Factory Production Control
- Radon Resistance Certificate
- ISO 9001 certification
- Hygienic Certificate