

PVC REINFORCED MESH®

Reinforced PVC Geomembrane



Product Description

PVC Reinforced Mesh Geomembrane is a polyester-reinforced PVC geomembrane designed for exposed roof surfaces. It can be applied to various substrates, including both hot and cold roofs. This versatility allows PVC Reinforced Mesh Geomembrane to be used on flat, sloped, and curved roofs in all shapes and combinations.

The products are highly resistant to tearing, which is particularly important for mechanical fastening on roofs exposed to wind. This provides a significant advantage in Scandinavian climates. PVC Reinforced Mesh Geomembrane is made from softened, flexible PVC and reinforced with polyester thread. The PVC Reinforced Mesh Geomembrane contains stabilizers that allow the product to withstand high and low temperatures, giving it UV and flame-retardant properties.

PVC Reinforced Mesh Geomembrane products feature a unique non-slip surface that provides an aesthetically pleasing finish as a standard. The non-slip surface is also visually appealing. It represents an important safety factor, especially when walking on the roof during installation and regular maintenance in wet weather.

SCOPE OF APPLICATION

- Inverted Roofs
- Wooden Roofs.
- Reinforced Concrete Roofs and Terraces
- Thermal Insulated and Non-Insulated Roofs



At the same time, in sandwich panel production, the panels are formed by combining with PVC and PVC Mesh Reinforced + Geotextile Laminated Geomembrane, which together constitute a strong building material that protects buildings' roofs and facades from external factors by considering the needs for thermal, moisture, sound insulation, and fire resistance of exterior cladding.

The outer surface of sandwich panels must be resistant to temperature changes, UV rays, and external environmental conditions. The inner surface must be resistant to chemical and physical effects originating from the interior environment of the structure, as well as to condensation.

Note: These applications are carried out by people approved by **GEOMERT®**. The accessories and extra elements used must be approved by **GEOMERT®**.



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PVC REINFORCED MESH TECHNICAL SPECIFICATIONS

Features	Test Method	Unit	Tolerance	Values			
Thickness	1849-2	mm	(-5/+10%)	1,20	1,50	1,80	2,00
Visible Defects	1850-2			Compatible			
Smoothness	1848-2	mm/10m		≤30			
Flatness	1848-2	mm		≤10			
Intensity	1849-2	kg/m²	(-5/+10%)	1,50	1,80	2,20	2,70
Tensile Strength	12311-2/A	N/mm²		≥1100/≥1000			
Elongation Percentage	12311-2/A	%		≥18/20			
Flexibility in Cold	495/5	°C		≤-25			
Static Load Resistance	12730/B	kg		≥20			
Impact Resistance	12691/A	mm		≥500			
Impact Resistance	12691/B	mm		≥2000			
Hard Layer	13583	m/s		17			
Soft Layer	13583	m/s		25			
Waterproof (10kPa)	1928			Full Impermeability			
Steam Resistance	1931			21000			
Tensile Strength	12317-2	N/5cm		≥1000			
Peeling	12316-2	N/5cm		≥260			
Resistance to UV Rays	1297-5000 h			No damage observed			
Fire Resistance	13501-1			Class E			
Fire Resistance Standards	13501-5			Broof(t1), Broof(t2), Broof(t3)			

Scope of Application

After PVC Reinforced Mesh Geomembrane are laid independently or as a whole, they are fixed with fixing tools, and then the overlapping. Sections are welded together with automatic or hand welding machines.



PRODUCT STANDARDS

• Thickness	mm	1,20	1,50	1,80	2,00
• Width	m	2,10	2,10	2,10	2,10
• Length	m	25	25	25	25

Color ; Gray / Black

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