

Teknowrap Arglass M590

High Strength, Two-sided, Alkaline Resistant Glass Fiber Mesh for Structural Reinforcement Applications



Description of Product:

The product is an alkaline resistant glass fiber mesh laminated with alkaline resistant polymer. It is a special product developed especially for reinforcement of stone and brick walls, and for strengthening and protection of historical area floors.

The material is resistant to all kind of chemical environment and has high performance, and it can be readily used in cement based applications.

Fields of Application:

- Reinforcement of stone and brick walls
- Reinforcement of historical beams and arches
- Reinforcement of historical area floors

Features and Benefits:

- Enables making changes in structure in accordance with the properties of the original structure without any negative effect.
- Specially developed coating makes it compatible with different materials.
- High mechanical strength and high elastic modulus.
- Resistant to chemically aggressive and high alkaline environments.
- Minimizes the formation and propagation of cracks.
- Enables strengthening applications in irregular structures.
- Easily and rapidly applied.
- Broad and homogeneous mechanic recovery

- The most obvious advantage of the repair method by using Teknowrap Arglass M 590 is that it gives much more strength than classical methods even though the increase in thickness of the structure is very little.
- Stronger than steel but much lighter.
- Does not have rusting and corrosion problems.
- Minimizes the negative effects of the changes.



Technical Information

General Information	
Width	100 cm
Roll Length	50 mt
Mesh Tensile Strength	125 kN/m (0° ve 90°)
Coated Weight for m²	590 gr
Ar Fiber Weight for m²	510 gr
Mesh Distance mm	38x38
Ar Fiber Type	Alkaline resistant ar
Ar Fiber Brand	O.CORNING /Cem-FIL®
Ar Fiber Zro2 Amount	>%16
Ar Fiber Elastic Modulus	72 Gpa
Ar Fiber Tensile Strength	1350 Mpa average
Ar Fiber Elongation at Break	0,0187
Ar Fiber Specific Gravity	2,68 gr/cm³
Coating	Alkaline resistant polymer



Stainless Anchorage



Glass Fiber Anchorage