

# Bazalt Mesh 3500

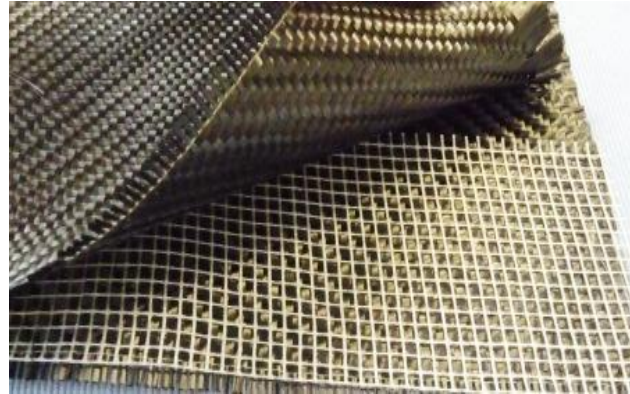
High Strength, Two-sided Bazalt Fiber Mesh for Structural Reinforcement Applications

## Product Description

Bazalt Mesh3500 is a fabric that is produced from basalt fibers and has alkali-resistant coating. It is developed to prevent cracks and to be used in different structure reinforcement applications. It has an advantage that it has higher tensile strength than steel and glass fiber. High performance, alkali-resistant basalt network can be readily applied in cement based applications thanks to its resistance to corrosion, oxidation and rotting. Since the product is light and it is easy to set and use, the basalt network will be a strong alternative to steel.

## Areas of Application

- Repairing of historical masonry structures, dome and minaret of mosques.
- Repairing of medium and slightly damaged columns and beams.
- Strengthening the large dimension porcelain tiles.
- Strengthening the floors of historical sites.
- Reinforcement and repairing of foundations of stone or brick masonry walls.



## Advantages

- High mechanical strength and elastic modulus.
- Resistant to chemically aggressive media especially to strong alkaline media.
- Minimizes the formation of cracks.
- It minimizes the negative effects of intervention.
- Easy to apply.
- Non-combustible.
- Low thermal conductivity coefficient
- It has no rusting and corrosion problems.
- The surface of the finished material can be coated with paint or plaster if desired.

## Application Instructions

The plaster and paint on construction element should be removed, the surface should be cleaned and necessary reparations should be done. First of all, Chelfix R5200 in registered historical buildings on the surface, reinforced concrete and nonregistered historical buildings. Chelfix R300 will cover the surface anchorage surfaces It is applied to the surface as such and Bazalt Mesh 3500 pasted on. If anchorage is to be applied, the anchors should be used at this stage. is placed. Chelfix R5200 or Chelfix R300 is applied again as a topcoat on it.

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## Technical Data

Properties	
Width	1 M
Roll Length	50 M.L
Mesh Tensile Strength	108 kN/meter (0°) (90°)
Coated Weight for m <sup>2</sup>	350 g
Mesh Distance	25x25 mm
Fiber Type	Basalt fiber
Fiber Elastic Modulus	85 Gpa
Fiber Tensile Strength	4000 Mpa
Fiber Specific Gravity	2.7gr/cm <sup>3</sup>
Coating	Alkaline resistant polymer

## Packing

Bazalt Mesh3500 is available in 1.0 m x 50 m roll.

## Storage

Bazalt Mesh3500 has unlimited shelf life in **Dry Storage Conditions**.