

Teknobazaltmesh 400

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



- TEKNOWRAP is adhered to the parts that will be strengthened. The surface of the finished material can be coated with paint or plaster if desired.
- Strongly adheres to the surface thanks to its specially developed coating.
- High mechanical strength and elastic modulus.
- Resistant to chemically aggressive media, especially to strong alkaline media.
- It minimizes the formation of cracks.
- Easy to apply.
- Low thermal conductivity coefficient.
- Noncombustible.

Description of Product:

The product 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.

Fields of Application:

- Repairs of medium and slightly damaged columns and beams.
- It is used in repairing of damaged columns and beams,
- Repairing of historical buildings, dome and minaret of mosques,
- Reinforcement and repairing of foundations of stone or brick masonry walls.

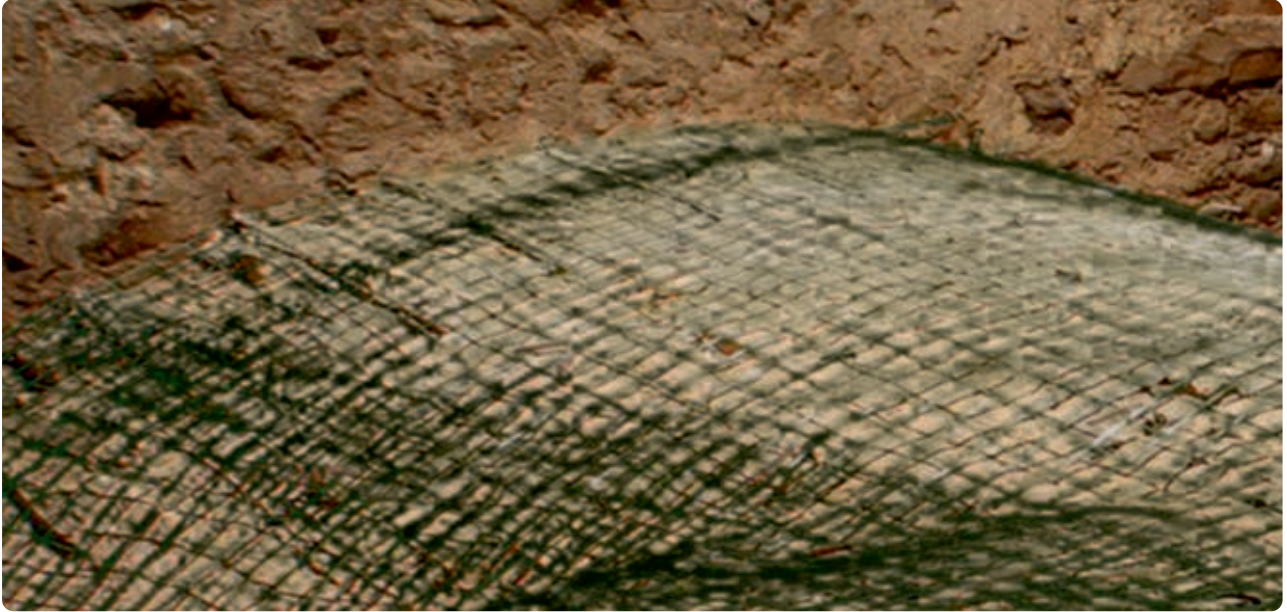
Features and Benefits:

- The plaster and paint on construction element should be removed, the surface should be cleaned and necessary reparations should be done.
- TEKNOBOND 200 mixture applied on surface as a thin layer.
- TEKNOBOND 300 is impregnated into TEKNOWRAP.



Technical Information

General Information	
Width	200 cm
Roll Length	50 m
Mesh Tensile Strength	88 KN/m (0°), 82 KN/m (90°)
Coated Weight for m²	400gr
Fiber Weight for m²	360gr
Mesh Distance mm	35x28
Fiber Type	Basalt fiber
Fiber Elastic Modulus	85 Gpa
Fiber Tensile Strength	4000 Mpa
Fiber Elongation at Break	0,047
Fiber Specific Gravity	2,7gr/cm³
Coating	Alkaline resistant polymer



Stainless Anchorage



Glass Fiber L Anchorage