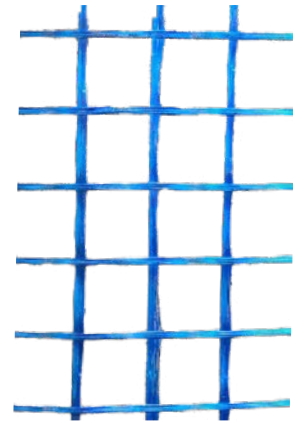


# TCS GLASS N40

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TCS GLASS N40 is a composite fibreglass mesh made of E glass yarn with alkali resistant coating. The mesh in FRP ensures an excellent laying stability and workability on the construction site while maintaining a perfect alignment of the fibres. The net is applicable with an inorganic matrix, in particular with a natural hydraulic lime matrix, for the construction of subbases, screeds and reinforced plasters.

- Restoration
- Resistant
- Versatile
- Quick
- Reversible
- Easy
- Green Building
- Pollution Resistant
- Consolidating Treatment



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## Features

The TCS GLASS N40 mesh is ideal for reinforcing floors, subbases and screeds and structural reinforcement of structural elements made of masonry and stone for static or seismic improvement and adjustment. The realization of reinforced grout and screeds.

**Versatile:** it is possible to apply it with different inorganic matrixes of natural hydraulic lime NHL 5 or traditional.

**Fast:** drastically reduced installation time compared to the use of traditional technologies.

**Restoration:** particular attention is paid to the combination with inorganic matrix of natural hydraulic lime NHL 5, which makes it a reinforcement and consolidation system for structures subject to superintendence restrictions and for the entire cultural artistic heritage where the use of materials of the time period is fundamental. The natural hydraulic lime B-STRUTURA NHL5 matrix is able to reinforce without altering the system's breathability and thermo-hygrometric balance.

**Reversibility:** easy removal systems and therefore restoring pre-consolidation of existing structures. Resistant: high performance resistant techniques and load containment.

**Easy:** extremely simple installation with a few easy steps.

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## Fields Of Application

It is specific for reinforcement of screeds and subbases or for bending and shearing reinforcement in the floor and out of the floor of structural elements. Circling and bandages. Floor stiffeners and innovative reinforced edge beams. It is a particular use for extradosal reinforcement of arches and vaults of masonry and/or stone. Screeds and collaborative casting. Elements of brick, stone, mixed stone, wood masonry. Evaluate the best suited matrix depending on the type of substrate.

## Application

Before proceeding with the reinforcement system application, proceed to the reclamation and proper preparation of the substrate. Then with a professionally prepared substrate proceed with the spreading of the first layer of inorganic matrix (B-STRUTURA) depending on the chosen type as per project specifications. The application of reinforced mesh TCS GLASS N40 and the application of the second inorganic matrix layer (B-STRUTURA). When applying the screeds and subbases, follow the standard procedures for reinforced castings.

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## Technical Data

WEIGHT OF THE RAW FABRIC 120 g/m<sup>2</sup>

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WEIGHT OF THE STARCHED FABRIC 145 g/m<sup>2</sup>

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MAXIMUM LOAD 30 kN/m

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TREATED FABRIC THICKNESS 1.70 mm

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FLAME RESISTANCE (EN 13501-1) class F

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MESH 40x40 mm

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PACKAGING roll 50 m height 1 m