



SCHEDA TECNICA N. S-BSG 100KN 0923 – V2.01

## Basalt Grid 25x25mm mesh, 100/100kN

Art. S-BSG 100KN

### BFRP BASALT FIBER MESH

**Bidirectional basalt fiber net 400gr/m<sup>2</sup>, 25x25mm mesh, balanced, primed with alkali-resistant treatment**

## DESCRIPTION

Mesh made of Basalt BFRP fiber with a leno structure, formed by elastic ribs of high-strength basalt threads, fixed in the nodes with a sewing thread. This process allows the formation of square cells, whose size is ideal for use with mortars as an FRCM system. The net is primed with special compounds to improve the alkali resistance properties and increase its stability. The BFRP net can be used “dry” or in combination with a mortar as a component of an FRCM system for interventions to protect and secure non-structural elements with problems of overturning and collapsing.

## TECHNICAL CHARACTERISTICS – GEOMETRY – PERFORMANCE

CHARACTERISTICS	VALUE	STANDARD
Weight of sized fabric	400 gr/ m <sup>2</sup> ± 5%	-
Yarn type	Continuous filament basalt fiber	-
Type of starch	Alkali-resistant polymer compound	-
Mesh size	25x25 mm ± 5%	-
Weaving	Bidirectional	-
Number of warp and weft threads	40/40	-
Tensile load per single thread average value	2,5 KN	-
Tensile load per unit of length average value	100 KN/m	-
Ultimate deformation average value	4 %	-
Color	Brown	-

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