



# ARMANET 4X4

Alkali-resistant fibreglass  
mesh used to reinforce  
coating layers and waterproof  
membranes



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**PRODUCT DESCRIPTION**

ARMANET 4x4 is an alkali-resistant fibreglass mesh suitable to reinforce the coating layers applied on render mortar, concrete or thermal insulation system and waterproof membranes.

The inclusion of the mesh within the products greatly improves impact resistance and counteracts the surface tension due to hygrometric shrinkage of the product or thermal shock, thus preventing the formation of cracks and fissures.

**COMPOSITION**

ARMANET 4x4 mesh is composed of a woven glass fiber of high quality, treated with a special primer making it resistant to alkalis and improve bonding.

**APPLICATION**

**THERMAL INSULATION SYSTEM AND COATING**

Insert within the first layer of coating, from the top to bottom, the reinforcement mesh **ARMANET 4x4**, taking care to overlay each strip by approx. 10.0 cm. The lateral green strips help to position the overlaps between one roll and another. To insert the mesh use a trowel and avoid creases. When the first coat is dry, apply a second coat of product to level out the entire surface. At doors and Windows, insert the specific fibreglass anti-alkali accessory **ANGOLARE INTRADOSSI** as an additional reinforcement.

**WATERPROOF MEMBRANES**

Insert within the first layer of waterproof membrane the reinforcement **ARMANET 4x4** taking care to overlay each strip by approx 5.0-10.0 cm. To insert the mesh use a trowel and avoid creases. When the first coat is dry, apply a second coat of product to level out the entire surface.

**INDICATIVE AMOUNTS REQUIRED**

1.1 linear meters per m<sup>2</sup> (10 mm overlap included).

**COLOUR**

White with green lateral strips.

**PACKAGING**

50 meter rolls.

**STORAGE**

In a dry place at temperatures between - 10 °C and + 50 °C

**RECOMMENDATIONS**

Avoid the formation of bubbles, creases and folds when applying the mesh.

**PRODUCT DATA**

Appearance	roll
Colour	white with green lateral stripes
Weight raw woven	117.0 g/m <sup>2</sup>
Weight	150.0 ± 5% g/m <sup>2</sup>
Mesh size	4.0 x 4.5 mm
Roll height	100.0 ± 1% cm
Roll length	50.0 ± 2% m
Type of treatment	alkali-resistant without softening





**PERFORMANCE DATA**

Breakage strength of mesh in standard condition	3.8% / 3.8%	EN 13934-1
Breakage strength of mesh in 5% NaOH	3.5% / 3.5%	EN 13934-1
Breakage strength of mesh fasted test	3.5% / 3.5%	EN 13934-1
Tensile strength of warp in standard condition	2100 / 2200 N/50 mm par value 1900 / 1800 N/50 mm individual value	EN 13934-1
Tensile strength of warp in 5% NaOH	1300 / 1350 N/50 mm par value 1000 / 900 N/50 mm individual value	EN 13934-1
Tensile strength of warp fasted test	1500 / 1600 N/50 mm par value 1000 / 1000 N/50 mm individual value	EN 13934-1
Tensile strength of warp 3 iont solution	1000 / 1000 N/50 mm individual value	EN 13934-1
Construction warp	42.0 ± 5% lines/10 cm	
Construction weave	17.5 ± 5% lines/10 cm	

**ACCORDING TO**



**ETAG 004**  
ITC CNR – Reinforced mesh intended for use ETICS  
ITALIA - n. 007/09



**ETAG 004**  
Technicky a zhusebni ustav stavebni Praha, s. p. (TZUS)  
CZECH REPUBLIC



**ETAG 004**  
Deutsches Institut Für Bautechnik (DIBt)  
GERMANY



**ETAG 004**  
MA 39 – VFA der Stadt Wien (EGOLF Member)  
AUSTRIA

**REMARKS**

**Product for professional use.** The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site [www.vimark.com](http://www.vimark.com).

