

FIBER GLASS MESH PREMIUM NET ETAG 004 ITC CNR (150 GR. - R117)



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1. CODE REGISTRY

Code	Description	Dimensions (m)	Weight	Colour	Pkg. / Pallet
RET01-1160	White fiber glass mesh + logo	1,10 x 50 m	150 gr./m ²	White + Blue with logo	55 m ² / 1.815 m ²
RET01-1160A	Orange fiber glass mesh	1,10 x 50 m	150 gr./m ²	Orange	55 m ² / 1.815 m ²
RET01-1160B	Blue fiber glass mesh	1,10 x 50 m	150 gr./m ²	Blue	55 m ² / 1.815 m ²
RET01-1160G	Yellow fiber glass mesh	1,10 x 50 m	150 gr./m ²	Yellow	55 m ² / 1.815 m ²
RET01-1160N	White fiber glass mesh	1,10 x 50 m	150 gr./m ²	White	55 m ² / 1.815 m ²
RET01-1160R	Red fiber glass mesh	1,10 x 50 m	150 gr./m ²	Red	55 m ² / 1.815 m ²
RET01-1160V	White fiber glass mesh	1,10 x 50 m	150 gr./m ²	Green	55 m ² / 1.815 m ²
RET01-1160GG	Grey fiber glass mesh	1,10 x 50 m	150 gr./m ²	Grey	55 m ² / 1.815 m ²

MATERIAL

Made of fiber glass Adfors Saint-Gobain type E, impregnated with anti-alkaline resins SBR, it complies with ETAG 004 certified by leading European Institutes, accompanied by Quality Mark ITC CNR, mesh 4,0 x 4,5 mm and weight equal to 150 gr/m².

CERTIFICATIONS

Certified as per ETAG 004 (reference standard)
 Certified ITC CNR
 Certified ZUS
 Certified DibT
 Certified MA 39
 Certified CSTB

Characteristics	Units Description	RET01-1160x	
		Warp	Weft
Setting	for 10 cm	21 x 2	17,5
Standard height	cm	110	
Roll length	m	50	
Treated Fabric Thickness	mm	0,50	
Loom state Fabric Weight	g/m ²	150 ± 5%	
Combustible Matter Content (LOI)	% of mass	20	
Treatment type		Alkali resistant without emollient	
Square Dimension	mm	4,0 x 4,5	

Tensile strength (TS) and elongation:

Minimum individual tensile strength (N/50 mm) and maximum elongation (%) when reaching minimum tensile strength is ascertained according DIN EN ISO 13934 – 1 as per below.

	Tensile strength		Elongation
	Nominal value	Individual value	Average value
Deposition method			
Standard condition	2.100 / 2.200	1.900 / 1.900	3,8 / 3,8
5 % NaOH Solution	1.300 / 1.350	1.000 / 900	3,5 / 3,5
Fast Test	1.500 / 1.600	1.100 / 1.000	3,5 / 3,5
3 ions soluzione (ETA 004)		1.000 / 1.000 - 50 % / 50 %	

Tolerances:

Setting: ± 5% in Warp and Weft
 Width: ± 1%
 Length: ± 2%
 LOI: ± 3%

Quality Inspection:

Quality inspection, sampling and material acceptance follows the Customer Acceptance Standard No. 0326.

Packing:

The rolls of fabrics are packed vertically in a cardboard box, on a wooden pallet.

A precise method of packing is mentioned in the works standard for packing and can vary based on a customer request.

Storing:

Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to +50°C.

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2. USE

Used in thermal insulating systems ETICS, as reinforcement of the smoothing layer. It absorbs and distributes the mechanical stresses to which the system could be subjected (ground settling, shrinkage, temperature changes, external agents) avoiding the onset of cracks in the facade.

The fiberglass reinforcement mesh must be completely embedded in the mortar skim coat, lying above the insulating panels. One proceeds unrolling the network Angle rolls down drowning, with the help of a trowel or a spatula, taking care to overlap them for at least 10 cm, avoiding the formation of bubbles or folds.

OVERLAPPING



IN LAYING STAGE



3. TECHNICAL SPECIFICATION

Specification	Description	Unity	Price
Dak.B.RET01.1160x	Supply and installation of White fiber glass mesh (identification code R117, corresponding to net weight per square meter of fiber glass mesh without resin), with overlap and cut lines to facilitate the correct installation. Height 1,10 x 50 meters. Packed in cellophane rolls. Made of fiber glass Adfors Saint-Gobain type E, impregnated with anti-alkaline resins SBR, it complies with ETAG 004 certified by leading European Institutes, accompanied by Quality Mark ITC CNR, mesh 4,0 x 4,5 mm and weight equal to 150 gr/m ² . Used in thermal insulating systems ETICS, as reinforcement of the smoothing layer. It absorbs and distributes the mechanical stresses to which the system could be subjected (ground settling, shrinkage, temperature changes, external agents) avoiding the onset of cracks in the facade.		
Dak.B.RET01.1160	White + logo - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160A	Orange - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160B	Blue - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160C	Yellow - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160N	White - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160R	Red - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160V	Green - Dimension 1,10 x 50.....	m ²	-
Dak.B.RET01.1160GG	Grey - Dimension 1,10 x 50.....	m ²	-