DAKOTA TECHNICAL DATA SHEET 18 October, 2021 - rev.0



FIBER GLASS MESH SILVER NET ETAG 004 ITC CNR (165 GR - R131)



INDEX

- 1. Code Registry
- 2. Use
- 3. Technical Specification

1. CODE REGISTRY

Code	Product Description	Dimensions (m)	Weight	Colour	Pkg. / Pallet
RET01-1170	Orange fiber glass mesh for wall insulation	1,10 x 50	160 gr./m² (±10%)	Orange	55 m² / 1.650 m²
RET01-1171	White fiber glass mesh for wall insulation	1,10 x 50	160 gr./m² (±10%)	White	55 m² / 1.650 m²
RET01-1171N10	White fiber glass mesh for wall insulation	1,00 x 50	160 gr./m² (±10%)	White	50 m ² / 1.500 m ²
RET01-1172	Blue fiber glass mesh for wall insulation	1,10 x 50	160 gr./m² (±10%)	Blue	55 m ² / 1.650 m ²
RET01-1172N10	White fiber glass mesh for wall insulation	1,00 x 50	160 gr./m² (±10%)	Blue	50 m ² / 1.500 m ²

MATERIAL

Made of fiber glass Adfors Saint-Gobain type E, impregnated with anti-alkaline resins SBR, it complies with ETAG 004 certi ed by leading European Institutes, accompanied by Quality Mark ITC CNR, enlarged mesh 3,5 x 3,8 mm and weight equal to 165 gr/m².

CERTIFICATION

Certified according to ETAG 004

Certified ITC CNR Certified ZUS Certified DibT Certified MA 39 Certified CSTB

Characteristics	Units Description	RET01-1170 - RET01-1171 - RET01-1171N10 - RET01-1172 - RET01-1172B10		
		Warp	Weft	
Setting	per 10 cm	25 x 2	20,5	
Standard height	cm	110		
Roll length	m	50		
Treated Fabric Thickness	mm	0,52		
Loom state Fabric Weight	g/m²	131		
Treated Fabric Weight	min g/m²	160 ± 10% (max 168 gr min 152 gr.)		
Combustible Matter Content (LOI)	% of mass	20	%	
Treatment type		alkaliresistant without emollient, obstructing yarn drifting		
Square Dimension	mm	3,5 x 3,8		

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	
Deposition method	Nominal value	Individual value	Average value	
Standard condition	2.000 / 2.200	1.900 / 1.900	3,8 / 3,8	
5 % NaOH Solution	1.140 / 1.300	1.200 / 1.200	3,5 / 3,5	
Fast Test (6 hours)	1.500 / 1.700	1.250 / 1.250	3,5 / 3,5	
3 ions solution		1.000 / 1.000 50 % / 50 %		

Tolerances:

Setting: ± 5% in Warp and Weft

Length: ± 2% LOI: ± 3%

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

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 armor for the smoothing layer in order to absorb and evenly distribute 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







3. TECHNICAL SPECIFICATION

Specification	Description		Price
Dak.B.RET01.117x	Supply and installation of Fiberglass Orange, white or blue colour fiber glass mesh (identification code R131 corresponding to net weight per square meter of fiber glass mesh without resin). Height 1,10 x 50 and 1,00 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, enlarged mesh 3,5 x 3,8 mm and weight equal to 160 gr/m²+/- 10%. 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.RET01.1170	Orange - 1,10 x 50 m	m²	-
Dak.B.RET01.1171	White - 1,10 x 50 m.	m²	-
Dak.B.RET01.1171N10	White - 1,00 x 50 m	m²	-
Dak.B.RET01.1172	Blue - 1,70 x 50 m	m²	-
Dak.B.RET01.1172N10	Blue - 1,00 x 50 m	m²	-