

# R 51 A101

## General description

Glass fibre mesh fabrics combined with specially designed mesh surface treatments can be used in a wide range of applications.

Mesh R 51 offers a reliable solution for a wide variety of applications. It can be used for the bridging and reinforcement of cracks in plaster as well as in other construction works. Industrial and other non-construction applications have to be checked and tested.

## Technical characteristics

Works Standard: 0326 Glass Fibre Mesh Fabrics

Characteristics	Units Description	R 51 A101	
		Warp	Weft
Material Linear Density	tex	34	68
Setting	per 100 mm	40 x 2	35
Weave		half leno	
Standard Width (1)	cm individual value	100	
Roll Length (1)	m individual value	50	
Treated Fabric Thickness	mm informative value	0,24	
Loom state Fabric Weight	g/m <sup>2</sup> informative value	51	
Treated Fabric Weight	g/m <sup>2</sup> individual value, minimum	58	
Combustible Matter Content (LOI)	% of mass individual value	20	
Treatment type		alkaliresistant without emollient, obstructing yarn drifting	
Square Dimension	mm informative value	2,2 x 2,3	

(1) Other dimension on request

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
Standard condition	875 / 850	850 / 700	4,0 / 4,0
5 % NaOH Solution	500 / 450	425 / 350	4,0 / 4,0
Fast Test (6 hours)	550 / 500	450 / 450	4,0 / 4,0

**Tolerances:**

Setting: ± 5 % in warp and weft  
Width: ± 1 %  
Length: -0 %; + 2 %  
LOI: ± 4 %

**Quality inspection:**

The way of quality inspection, taking of the samples and taking over of the material, is according to 0326 works standard.

**Packing:**

The rolls of fabrics are packed vertically in cardboard, on a wooden pallet. A precise method of packing is mentioned in the works standard for packing

**Storing:**

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

## Technical Data Sheet

### Properties

- Universal fabric settings
- High dimensional stability
- For interior and exterior application



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