

### General Description

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

Armouring mesh R 451 is specially designed to reinforce areas exposed to increased stress, especially a plinth. Particular fabrics construction supported by special finishing meets the highest requirements in terms of strength and force absorption. Can be used both as a substitute for and in addition to other facade fabrics.

### Technical characteristics

Works Standard: 0326 Glass Fibre Mesh Fabrics

Characteristics	Units Description	R 451 A101	
		Warp	Weft
Square Dimension	mm / informative value	5	5
Standard Width (1)	cm / individual value	100	
Roll Length (1)	m / individual value	25	
Treated Fabric Thickness	mm / informative value	1,1	
Loom state Fabric Weight	g/m <sup>2</sup> / informative value	440	
Treated Fabric Weight	g/m <sup>2</sup> individual value, minimum	525	
Treatment type	alkaliresistant without emollient, obstructing yarn drifting		

(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
Deposition method	5000 / 9000	4800 / 8500	4,5 / 4,5
Standard condition	5000 / 9000	4800 / 8500	4,5 / 4,5
Fast Test (6 hours)	3500 / 6500	3400 / 6300	4,0 / 4,0

### Additional Information

- 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

- Protect damage-risk areas
- Improves an impact resistance
- Reliable reinforcement for external facades



Edited by:

**ADFORS Construction Products Europe**

SAINT-GOBAIN ADFORS CZ s.r.o.  
 Sokolovska 106  
 CZ – 570 21 Litomyšl  
 Tel: + 420 461 651 111  
 Fax: + 420 461 612 769  
 www.sg-adfors.com

**ADFORS Construction Products Europe** reserves the right to change the information given herein without prior notice

Technical Data Sheet N° 62

Last update: 10/09/2012