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Product Data Sheet PDS129: Glass Fibre Mesh R160 & R330

1 Product description

Glass Fibre Mesh R160 and Mesh R330 - is a premium alkali resistant woven mesh cloth for the purpose of reinforcement and crack reduction in Armourcoat plaster systems.

2 Composition

R160/R330 Mesh is woven from glass fibres that have been treated with a synthetic coating to the glass yarn that protects the mesh from alkali attack and improved the adhesion to the plaster materials.

3 Properties

Chacteristics	Units	R160	R330
Square dimension	mm	3.5 – 3.8	6-6
Width	mm	1000	1000
Roll Length	metre	50	25
Treated fabric thickness	mm	0.52	0.9
Treated fabric weight	g/m^2	160	330

4 Physical and chemical properties

Appearance	Glass Fibre Mesh
Odour	none
Freezing Point	N/A
Glass melting point	Ø 450^0C
Flash Point	non combustible

5 Mechanical properties

Property	R160 Warp	R160 Weft	R330 Warp	R330 Weft
Tensile strength in standard conditions (N/5 cm)	2300	2400	4400	5300
Elongation in standard conditions warp/weft (%)	3.8	3.8	4.5	4.5
Tensile strength after 28 days ETAG test (%)	70	65	70	70

6 Test data

R160/R330 Mesh has been tested and accredited to ETAG 004 for use as a reinforcement mesh in external wall insulation systems.

7 Application

- R160 & R330 Mesh can be used in conjunction with Armourcoat PPX Basecoat.
- R160 mesh can be used in conjunction with Armourcoat Keycoat or Armourcoat Anticrack
- mix and apply one layer of the product and bed the R160/R330 Mesh into the materials whilst wet
- smooth out with a trowel to remove any wrinkles or creases and apply a further layer of material sufficient to fully cover the surface of the R160/R330 Mesh
- the thickness of the bedding layer will vary from product to product
- the R160/R330 Mesh should be overlapped by a minimum of 50mm from one sheet to the next and a second layer should be overlaid on the diagonal at window corners or obvious stress points

8 Handling and storage

Gloves should be worn when handling R160/R330 Mesh otherwise some irritation may occur on contact with the cut end of the glass filaments. Rolls of R160/R330 Mesh should be kept vertically on end in dry storage and kept within a temperature range of minus 10 - 50°C

9 Health and Safety

Suitable respiratory protection should be work when cutting R160 Mesh especially if working areas are enclosed and poorly ventilated. Use suitable eye protection when cutting R160/R330 Mesh especially when working overhead.