

PRODUCT DATA SHEET

Parex[®] 355 AVU Reinforcing Mesh

Reinforcing mesh for Parextherm and Parexdirect render systems.

DESCRIPTION

A green coloured glass fibre mesh fabric combined with specially designed surface treatments that can be used in a wide range of PAREXTHERM and PAREXDIRECT render applications. For ease of identification the 355 AVU mesh is coloured green and has the 'PAREX' name and logo throughout the mesh.

USES

The 355 AVU mesh is mainly used as one component of the Parex[®] range of external thermal and direct render systems. A high quality synthetic coating on the glass yarn protects the mesh against alkaline influences from the adhesives and base coat materials that are used.

PRODUCT INFORMATION

Packaging	50 m roll
Shelf life	None where stored in correct conditions
Storage conditions	Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to + 50 °C.

CHARACTERISTICS / ADVANTAGES

- High mechanical strength.
- Excellent dimensional stability.
- Compatible with all PAREXTHERM and PAREXDIRECT render systems.

APPROVALS / CERTIFICATES

- ETA 04-0014 Parextherm EPS EWI systems
- ETA 11-0110 Parextherm SW (Stone Wool) EWI systems

Dimensions

CHARACTERISTIC	UNITS DESCRIPTION	355 AVU
Setting	per 100 m	Warp 25 x 2 Weft 20.5
Weave		Half leno
Standard Width ⁽¹⁾	cm individual value m individual value	100 or 110 50
Roll Length ⁽¹⁾		
Treated Fabric Thick- ness	mm informative value	0.52
Loom State Fabric Weight	g/m ² informative value	131
Treated Fabric Weight	g/m ² individual value, minimum	160
Combustible Matter Content (LOI)	% of mass individual value	20
Treatment type		Alkali resistant without emollient, obstructing yam drifting
Square Dimension	mm informative value	3.5 x 3.8

⁽¹⁾ Other dimensions 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 to DIN EN ISO 13934-1 per below.

Deposition Meth- od	Tensile Strength Nominal Value	Tensile Strength Individual Value	Elongation Aver- age Value
Standard Condi- tion	2000 / 2000	1900 / 1900	3.8 / 3.8
5 % NaOH Solu- tion	1300 / 1400	1200 / 1200	3.5 / 3.5
Fast Test	1500 / 1700	1250 / 1250	3.5 / 3.5
3 ion solution (ETAG 004)		1000 / 1000 50 % / 50 %	

Tolerances:

Setting: ±5 % in warp and weft

Width: ±1 %

Length: ±2 %

LOI: ±4 %

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

Do not apply into frozen substrates where there is a risk of frost.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of

the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

APPLICATION

355 AVU mesh has been specifically designed for use in the application of MAITE when used as part of a PAREX THERM or PAREX DIRECT render system. Consult the specific product data sheets for each render system for application guidance.

General mesh installation within base coat

- Overlap the mesh a minimum of 100mm to all horizontal and vertical edges.

- 355 AVU reinforcing mesh encapsulated within the render. When additional reinforcement is required, use a primary layer of the following meshes.
 - Heavy duty applications - 358.10 Heavy Duty Mesh.
 - High impact applications - 358.14 High Impact Mesh.
 - Ultra high impact applications - 358.20 Ultra High Impact Mesh.
 - Impact Mesh. Do not apply the mesh directly to the substrate and render over.
- For high absorption substrates e.g. lightweight block, terracotta, brickwork etc, or low absorption substrates e.g. dense concrete, smooth engineering bricks etc, apply a layer of MICRO GOBETIS 3000. For full guidance on which substrates this is required on, always refer to the Parex project specification.

Mesh installation around openings

- Reinforce the corners with 355 AVU reinforcing mesh to all openings - minimum dimension 300 x 300 mm before applying the main 355 AVU reinforcing mesh.

NOTE: When using two layers of mesh, place the appropriate primary layer of mesh into the render behind the 355 AVU reinforcing mesh and butt the joints (do not overlap). Embed the 355 AVU reinforcing mesh over the primary mesh and overlap the joints a minimum of 100 mm in all situations. Ensure the mesh is fully embedded within the render coat. If an ashlar cut is required, ensure the mesh is placed sufficiently deep enough to avoid showing through the back face of the ashlar cut. (Additional thickness of render will be required for these applications).

IMPORTANT NOTE: To provide the correct level of reinforcement benefit, always ensure the joints of the 355 AVU reinforcing mesh and the additional layers of mesh never meet in the same location but are positioned a minimum of 200 mm apart from each other.

Mesh installation around openings

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Mesh position within the base coat

355 AVU reinforcing mesh encapsulated within the render. When additional reinforcement is required, use a primary layer of the following meshes. Heavy duty applications - 358.10 Heavy Duty Mesh. High impact applications - 358.14 High Impact Mesh. Ultra high impact applications - 358.20 Ultra High Impact Mesh. Do not apply the mesh directly to the substrate and render over.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from

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country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.