

## PRODUCT DATA SHEET

# Parex® TV10 MESH

Reinforcing mesh for Parex mineral renders.

### PRODUCT DESCRIPTION

A glass fibre mesh fabric combined with specially designed surface treatments that can be used in a wide range of Parex® cement and lime render applications. For ease of identification the TV10 mesh is coloured green and has the Parex® logo throughout the mesh. The TV10 mesh offers an effective, customised solution for the prevention of cracks that may form in render or reinforced layers of external masonry facades which are induced by construction techniques, construction materials or temperature changes. It can also be used for a wide range of repair applications. A high quality synthetic coating on the glass yarn protects the mesh against alkaline influences from the renders and base coat materials that are used.

### USES

TV10 mesh is designed to be used in the application of all PAREX® mineral render finishes, e.g. BLANC DU LITTORAL, MONOBLANCO, MONOGRIS E, MONOREX GM, MONOREX GF, PARMUREX and PAREX® Heritage lime renders PARLUMIERE CLAIR, PARLUMIERE MOYEN, PARLUMIERE FIN etc. Consult the specific product data sheets for guidance on each render application.

### CHARACTERISTICS / ADVANTAGES

- High mechanical strength.
- Excellent fire resistance.
- Excellent dimensional stability.
- Due to its large mesh size, TV10 mesh is a reliable reinforcement for external facade renders.

### PRODUCT INFORMATION

<b>Packaging</b>	50 m roll		
<b>Shelf Life</b>	None when stored in correct conditions		
<b>Storage Conditions</b>	Packed rolls are to be stored in dry rooms. Storing temperature is from -10 °C to + 50 °C.		
<b>Dimensions</b>	1mx50m roll		
	<b>Tensile strength(TS) and elongation:</b>		
	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.		
	<b>Deposition Method</b>	<b>Tensile Strength Nominal Value</b>	<b>Tensile Strength Individual Value</b>
	Standard Condition	2100 / 2000	1600 / 1500
	5 % NaOH Solution	1350 / 1350	1300 / 1000
	Fast Test	1750 / 1650	1600 / 1450
	3 ion solution (ETAG 004)		50 % / 50 %
	<b>Elongation Average Value</b>		
		3.5 / 3.5	
		3.5 / 3.5	
		3.5 / 3.5	

**Tolerances:**Setting:  $\pm 5\%$  in warp and weftWidth:  $\pm 1\%$ Length:  $\pm 2\%$ LOI:  $\pm 4\%$ **VALUE BASE**

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

**LIMITATIONS**

- Avoid laying the roll of mesh on its side for long periods of time.
- Do not use damaged or previously used or contaminated mesh.

**ECOLOGY, HEALTH AND SAFETY**

REGULATION (EC) NO 1907/2006 - REACH: 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****General mesh installation within base coat - General Renders**

- Overlap the mesh a minimum of 100 mm to all horizontal and vertical edges.
- TV10 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.
- 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.

**NOTE:** When using two layers of mesh, place the appropriate primary layer of mesh into the render behind the TV10 mesh and butt the joints (do not overlap). Embed the TV10 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 TV10 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.

Please also refer to the mesh application details – B2 & B3.

**Mesh installation around openings - General Renders**

- Reinforce the corners with TV10 mesh to all openings - minimum dimension 300 x 300mm before applying the main TV10 reinforcing mesh.
- All mesh to be embedded within the render and not bonded to the substrate surface. Please also refer to the mesh application details – B1 & B3.

**Mesh position within the base coat - General Renders**

TV10 mesh is 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.

**NOTE:** When using two layers of mesh, place the appropriate primary layer of mesh into the render behind the TV10 mesh and butt the joints (do not overlap). Embed the TV10 standard 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 TV10 mesh and the additional layers of mesh never meet in the same location but are positioned a minimum of 200mm apart from each other.

**CAUTIONARY NOTE:** (This applies to most render applications) Due to shrinkage differentials, avoid applying a thin base coat and a thicker top coat application as the shrinkage values of a thicker top coat could cause the render to delaminate from the base coat.

The same effect is also caused by applying a very hard render over a softer base coat.

Please refer to additional mesh application details – B1 & B2.

For a copy of the actual application details please contact your local Sika country.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.

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