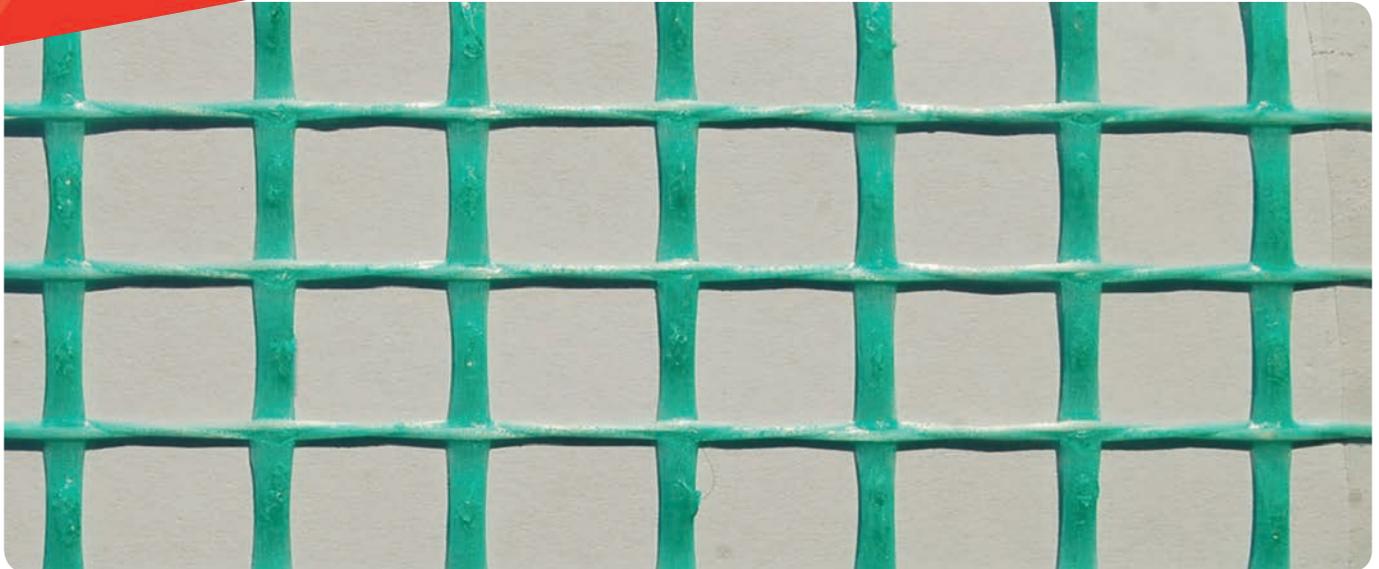


PAREX TV10 REINFORCING MESH



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.

PROPERTIES

- 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.

APPLICATION

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.

Tensile strength and elongation:

Minimum individual tensile strength (N/50mm) and maximum elongation (%) when reaching minimum tensile strength is ascertained according to DIN EN ISO 13934-1 per below.

Deposition Method	TENSILE STRENGTH		ELONGATION
	Nominal Value	Individual Value	Average Value
Standard Condition	2100 / 2000	1600 / 1500	3.5 / 3.5
5% NaOH Solution	1350 / 1350	1300 / 1000	3.5 / 3.5
Fast Test	1750 / 1650	1600 / 1450	3.5 / 3.5
3 ion solution (ETAG 004)		50% / 50%	

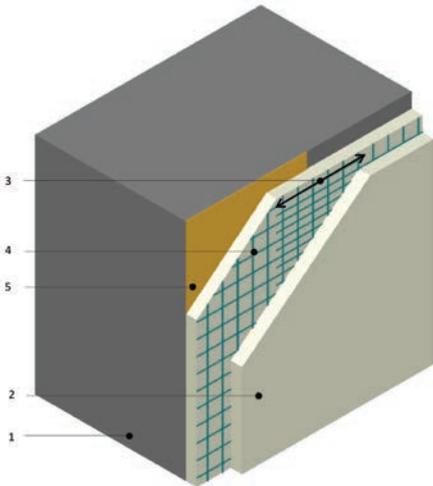
Tolerances:

Setting: ±5% in warp and weft
Width: ±1%
Length: ±2%
LOI: ±4%

TYPICAL TV10 MESH APPLICATION GUIDANCE DETAILS

The information below shows best practice by offering typical guidance for mesh applications for thick coat mineral renders. However if additional guidance is required please contact the Parex Technical team.

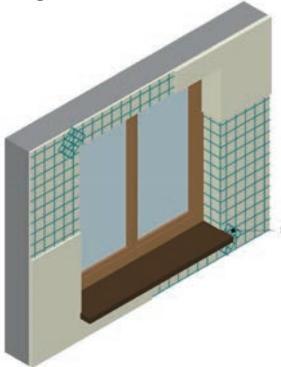
B1 - General mesh installation within base coat - General Renders*



1. Substrate.
2. Render coat.
3. Overlap the mesh a minimum of 100mm to all horizontal and vertical edges.
4. 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.
5. 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.

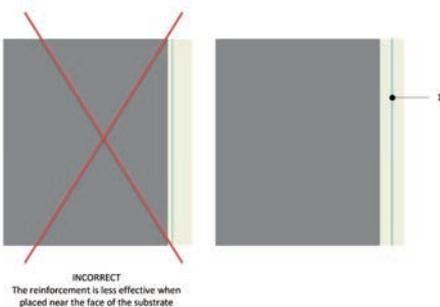
NOTE: When using two layers of mesh, place the appropriate primary layer of mesh into the render behind the TV10 mesh and butt the joints (do not overlap). Embed the TV10 mesh over the primary mesh and overlap the joints a minimum of 100mm in all situations. Ensure the mesh is fully embedded within the 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. Detail shown is directly applied onto a masonry substrate. In addition to this detail please also refer to the mesh application details – B2 & B3.

B2 - Mesh installation around openings - General Renders*



1. 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. In addition to this detail please also refer to the mesh application details – B1 & B3.

B3 - Mesh position within the base coat - General Renders*



1. 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.
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 100mm 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 the Parex Technical Department.



PACKAGING

The 1.0m x 50m rolls of mesh are stored vertically and individually wrapped on re-useable wrapped pallets. 33 rolls per pallet.

STORAGE

- Packed rolls are to be stored in dry rooms. Storage temperature is from -10°C to + 50°C.
- Minimum 1 year if protected from sun.

WARRANTY

Manufacturer's 10 year product indemnity including design when a Parex specification is issued and subject to conditions.

PRECAUTIONS

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

HEALTH AND SAFETY

Wear suitable protective clothing, gloves and eye / face protection. This product contains materials which may cause an allergic reaction, is irritating to eyes and harmful if swallowed. In case of contact, seek medical advice. Keep out of the reach of children.

Read and follow the guidelines in the Health and Safety data sheet for this product.

TECHNICAL ASSISTANCE

PAREX will, on request, provide information and assistance to companies in relation to the use of a specific product.

Such assistance shall not be associated with structural and design conception, nor assume or accept liability for compliance of substrates, nor compliance to instructions provided.

Technical Information

01827 711755

Download the technical datasheet and consult the health and safety document on: www.parex.co.uk