

**Product name:**

# Woven Glass Fabric Mesh

**Product Line:**

Mesh

**Product description and its intended use:**

A fibreglass mesh used for reinforcing plaster.

Installed within the base coat of plaster

Generally installed vertically

Lap of 100mm

**Product identifier:**

The product name with the production date is printed on the finished bucket.

**Place of Manufacture:**

Germany

**Legal and Trading Information:**

Legal and trading name of the importer(s):	Rockcote Resene Limited
Address of the Manufacturer:	32-50 Vogel Street, Naenae, Lower Hutt
Website Address:	<a href="https://reseneconstruction.co.nz">https://reseneconstruction.co.nz</a>
Email Address:	<a href="mailto:help@reseneconstruction.co.nz">help@reseneconstruction.co.nz</a>
Phone Number:	<a href="tel:0800507040">0800 507040</a>
NZBN:	9429034745786

This product is not subject to a warning or ban under s26 of the Building Act.

**Relevant Building Code clauses:**

- Clause B1 - Structure - Performance B1.3.1, B1.3.2 and B1.3.4
- Clause B2 - Durability - Performance B2.3.1 (b) 15 years, B2.3.1 (c) 5 years and B2.3.2
- Clause E2 - External Moisture - Performance E2.3.2
- Clause F2 - Hazardous Building Materials - Performance F2.3.1

**How the building product is expected to contribute to compliance:**

This product is used and has been tested as part of a wider system.

B1 - This product has a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout its life. This product has a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout its life and during construction or alteration when the building is in use. This product has made allowance for the requirements of this functional requirement.

B2 - When installed in accordance with the system specifications and drawings, it will meet this performance requirement. Based on material properties and history of use, this product has been assessed to have a durability of at least 15 years when installed as part of a system. This product must be installed in accordance with the relevant specifications outlined in the design section of this document.

E2 - When installed in accordance with the system specifications and drawings, it will meet this performance requirement.

F2 - This product is safe when handled in accordance with its Technical and Safety DataSheet. Dust resulting from sanding and mixing compounds may be a respiratory irritant, and the use of suitable respiratory protection is required. This product meets the requirements set out in F2 and will not present a health hazard to people once installed.

#### **Limitations on the use of the building product:**

Resene Construction Systems recommends that this product be applied by a licensed tradesperson who has extensive experience in applying these products for similar applications to your particular project. The success of each project requires the tradesperson to have a thorough technical knowledge of appropriate building design, substrate conditions and client expectations to determine if this product fits the purpose expected for your project.

It should be noted that Resene Construction Systems products do not satisfy code requirements on their own but deliver code-compliant performance when used as part of a Resene Construction System's system and installed in accordance with the specific specifications.

#### **Design requirements that would support the use of the building product:**

Specific applications, design and installation instructions are available for each system on our website. This outlines where this product should be installed as part of the wider system.

Finished Weight:	150g/m <sup>2</sup> (+/- 5%) - (DIN EN 12127)
Coating:	25g/m <sup>2</sup> (+/- 5%) - (DIN EN 12127)
Aperture Size:	warp - 3.5mm (+/- 0.2mm)
Aperture Size:	weft - 4.2mm (+/- 0.2mm)
Yarn Count:	warp - 25 yarns/10cm - (DIN EN 12127)
Yarn Count:	weft - 18 yarns/10cm - (DIN EN 12127)
Original Tensile Strength:	warp 2200 - (DIN EN ISO 13934-1)
Original Tensile Strength:	weft 1750 - (DIN EN ISO 13934-1)
Tensile Strength (N/5cm):	warp 1050 (after exposure *) - (ASTM E 2098)
Tensile Strength (N/5cm):	weft 1050 (after exposure *) - (ASTM E 2098)
Tensile Strength (dN/cm):	weft 21 (after exposure *) - (ASTM E 2098)
Tensile Strength (dN/cm):	warp 21 (after exposure *) - (ASTM E 2098)
Coating type:	Weavelock

Elongation at break:	warp 3.8%
Elongation at break:	weft 4.7%
Weave:	Leno
Standard Measurement:	1200mm

\* EIFS tests according to ASTM E 2098 as well as European ETAG 004 - minimum values after exposure to 5% sodium hydroxide solutions for 28 days

#### **Installation requirements:**

Measured and cut slightly longer than the height/length of the area to be covered.

Apply the pre-measured mesh from the top of the wall.

Press the fibreglass mesh into the render mix with a steel trowel starting at the centre and working outwards towards the sides. This will ensure that it is embedded in the render mix with the render forced right through the mesh holes.

Ensure there are no wrinkles or trapped bubbles in the mesh and that it is fully embedded just below the surface of the render.

Do not embed the leading edge of the mesh as this locates your next mesh layer.

Mesh must not be exposed but retained as close to the surface as possible.

Overlap mesh 100 mm with the adjacent drop of mesh and trowel to embed together.

Ensure the fibreglass mesh covers all exposed areas of the substrate, including any recesses around the exterior joinery and internal corners.

Fibreglass Mesh must be bought to the outside edge of all Flashings.

Apply 450 x 150 mm strips of fibreglass mesh 'butterflies' diagonally at every corner of openings for window and door joinery, meter boxes etc.

After the render mix has cured, trim off excess length accurately against the flashing edge.

#### **Maintenance, Environmental and Safety Requirements:**

Wash equipment and spills as soon as possible with water.

Ensure washing water does not enter waterways. Wet waste should be disposed of in empty bags and, once dry, disposed of in trade waste. The powder is irritating, and appropriate PPE dust masks are advised when handling. The wet compound is alkaline, and prolonged skin contact should be avoided. Wear rubber gloves, dust masks and safety glasses when handling products.

Material Safety Data Sheets are available upon request or access directly from

<https://reseneconstruction.co.nz/technical-library/safety-data-sheets/>