

ETICS Glass Fibre Mesh 3797

WDVS Glasseidengewebe 3797

alkali-resistant reinforcing fiber
ETICS Diagonal Reinforcement Arrow 3713
ETICS Diagonal Reinforcement Angle 3692

ETICS Glass Fibre Mesh 3797

Properties

ETICS Glass Fibre Mesh 3797 is a special, push-resistant, alkali-resistant glass silk fiber. Blue, plasticizer-free, frost-proof, weather-resistant and cut edges. With high tear and tensile strength. In system build-up hardly inflammable B1 or non-combustible A2 according to DIN 4102. Can be used for surface reinforcement with all Brillux reinforcement masses, adjusted to the relevant ETIC-System.

Field of application

Reinforcement fiber for surface reinforcement in Brillux ETIC systems. Can also be used for repairing cracks in plaster facades (MG PII, PIII) with cracks of types A.1 to B.2 according to BFS Leaflet No. 19, Table 3 with subsequent plaster top coat. Also available as 1.10 m webs, for efficient, horizontal reinforcement on scaffold level, in particular in the case of machine application of reinforcement plasters.

Material description

Color of fiber: blue
Mesh width: approx. 4 x 4 mm
Widths: approx. 100 cm. or approx. 110 cm
area weight: approx. 160 g/m²
Packaging:
width 100 cm:
50 m/reel = 50 m²
width 110 cm:
50 m/reel = 55 m²

ETICS Diagonal Re- inforcement Arrow 3713

Properties

ETICS Diagonal Reinforcement Arrows 3713 are special arrow-shaped strips in the quality of ETICS Glass Fibre Mesh 3797 described above. With V-shaped 90° cutout for easy diagonal reinforcement.

Field of Application

Due to their shape, ETICS Diagonal Reinforcement Arrows 3713 are perfect for easy and efficient diagonal reinforcement.

Material description

Color of fiber: blue
Mesh width: approx. 4 x 4 mm
Width: approx. 30 cm
Total length: approx. 37 cm
Packaging: 100 pcs./box

ETICS Diagonal Re- inforcement Angle 3692

Properties

Specially cut fiber strip combined with angle element in quality of ETICS Glass Fibre Mesh 3797 described above.

Field of Application

ETICS Diagonal Reinforcing Angle 3692 enable efficient diagonal and inner corner reinforcement in one work step.

Material description

Color of fiber: blue
Mesh width: approx. 4 x 4 mm
Width: approx. 20 cm
Length: approx. 25 cm
Soffit width:
approx. 12.5 cm, 20 cm.
Packaging: 100 pcs./box

Use

Consumption

Approx. 1.10 m/m²
(with fiber width 1.00 m),
approx. 1.00 m/m²
(with fiber width 1.10 m).
Individual fiber webs must overlap by approx. 10 cm.

Surface preparation

The reinforcing effect is obtained after sufficient curing of the insulation board glue (after 3 days, at the earliest, at +20 °C, 65 % r.m.) on clean, dry, offset-free and level insulation board surfaces as well as in perpendicular and flush corner areas.

If used for repairing cracked plaster facades, the substrate must be clean, solid, dry, capable of bearing and free from efflorescence, sintered layers as well as separating agents. The surface must be pre-treated according to the actual condition and the requirements. Remove projecting mortar or concrete parts mechanically, level major unevenness of surface using a suitable mortar, e.g. plaster of mortar group PII. Check existing plaster for solidity and hollow areas, check existing coats for their bearing capacity. Remove non-bearing plasters and coatings completely. Substrates are to be primed, if necessary, with Lacryl Deep-Penetrating Primer 595 or Deep-Penetrating Primer 545. Also refer to VOB Part C, DIN 18 363, Par. 3.

Corner reinforcement

Apply selected reinforcement mass to perpendicular and flush corner areas of insulation boards, make sure to apply enough material. Place ETICS Fiber Corner Protection Rails 3763 or ETICS Aluminum Corner Protection Rails 3787 in wet reinforcement mass (perpendicular and flush, avoiding folds and bubbles). To avoid doubling of the reinforcement layer in the corner area, do not cover the installed corner protection rails with a second layer. Remove excessive reinforcement mass using a stainless steel smoothing tool. Also comply with the information given in the data sheets of fiber and aluminum corner protection rails.

Diagonal reinforcement

In all corners of facade openings, e.g. windows, doors and niches, additional diagonal reinforcement is to be provided (format approx. 20 to 30 cm). We recommend using the ETICS Diagonal Reinforcement Arrows 3713 or ETICS Diagonal Reinforcement Angles 3692 for this. Installation is as described above for corner reinforcement.

Reinforcement of inner corners

Fiber strips (left-overs) are also to be fixed at the inner corners of soffits/lintels and cutouts of the surface reinforcement (e.g. fixtures, scaffold anchors) before applying the surface reinforcement. If diagonal reinforcement is also required, we recommend using ETICS Diagonal Reinforcement Angle 3692.

Surface Reinforcement

Surface reinforcement can be performed as soon as all reinforcement measures taken before have dried sufficiently.

This includes corner and diagonal reinforcement and inner corner reinforcement as well as heavy-load reinforcement (ETICS Armoring Fiber 3773), if required.

Manual application of reinforcement mass

Apply the selected reinforcement mass on the pretreated substrate, making sure to apply a sufficiently thick layer. Place ETICS Glass Fibre Mesh 3797 in fresh reinforcement mass (web by web), avoiding bubbles and folds.

The fiber webs must overlap by approx. 10 cm. Cover the web with a second layer of reinforcement mass while the first one is still moist.

Application of reinforcement mass using a machine

In the case of machine application of the reinforcement mass, we recommend using the 1.10 m webs of ETICS Glass Fibre Mesh 3797 for efficient, horizontal reinforcement. Refer to the special instructions in the relevant data sheets of the reinforcement masses.

Generally, the following applies

The reinforcement fiber must be embedded in the middle of the layer (not deeper, total thickness of reinforcement layer, depending on reinforcement mass, approx. 2 to 7 mm). If ETICS Fiber Corner Protection Rail 3763 is used, the surface reinforcement fiber ends at the corners. If ETICS Aluminum Corner Protection Rail 3787 is used, ETICS Glass Fibre Mesh 3797 shall overlap over the corner at least by 10 cm. Cutouts in the fiber, e.g. for scaffold anchors, shall be covered by additional fiber strips.

Repair of cracked plaster facades

Cracked plaster facades can also be reinforced as described above, provided that the surface is pretreated properly.

Top coat

After the reinforcement layer has cured and dried sufficiently (approx. 3 days), the top coat can be applied using, depending on the selected Brillux ETICS, Rausan (organically bound plaster), silicone plaster, Silcosil (silicone reinforced plaster) flat panels, silicate plaster or light mineral plaster, in combination with the relevant system primer, as required.

Note

For the design of the reinforcement layer, also refer to the specifications in the data sheets of the additional products and the system instructions. In particular for machine application of the reinforcement, comply with the specifications in data sheets ETICS Powder Adhesive 3550, ETICS Powder Adhesive VZ 3600 and ETICS Reinforcement Plaster ZF-SiL 3585 or ZF-R 3636.

Also comply with the information given in the data sheets of the other products used, in particular the reinforcement masses.

Additional products

- ETICS Powder Adhesive 3550
- ETICS Powder Adhesive VZ 3600
- WDVS Adhesive and Reinforcement Mortar L 3500
- ETICS Reinforcement Plaster
- ZF-SiL 3585
- ETICS Reinforcement Plaster
- ZF-R 3636

Remark

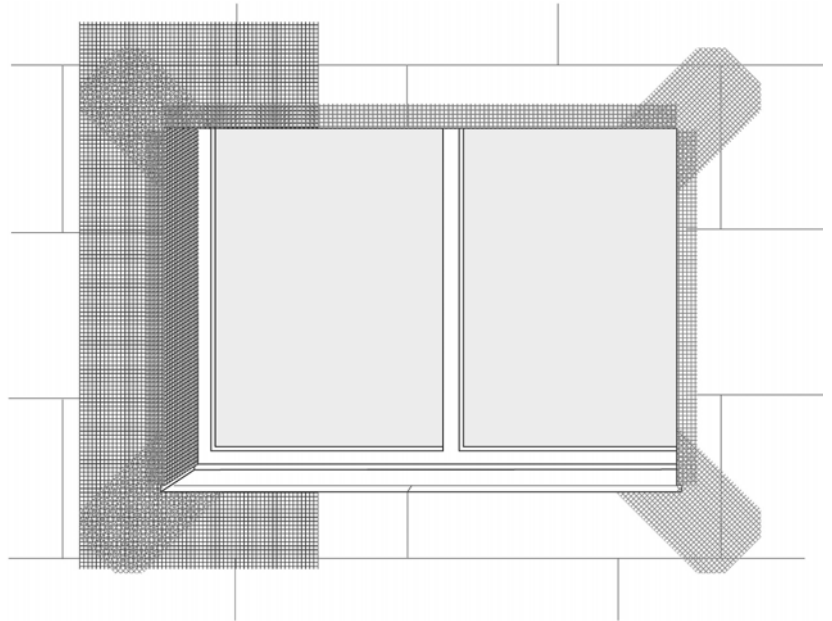
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Figure 1**Diagonal reinforcement**

In all corners of facade openings, e.g. windows, doors and niches, additional diagonal reinforcement is to be provided.

**Figure 2****Inner corner reinforcement**

Inner corner reinforcement is to be performed using ETICS Diagonal Reinforcement Angles 3692 or cut-to-size fiber strips before applying the surface reinforcement.

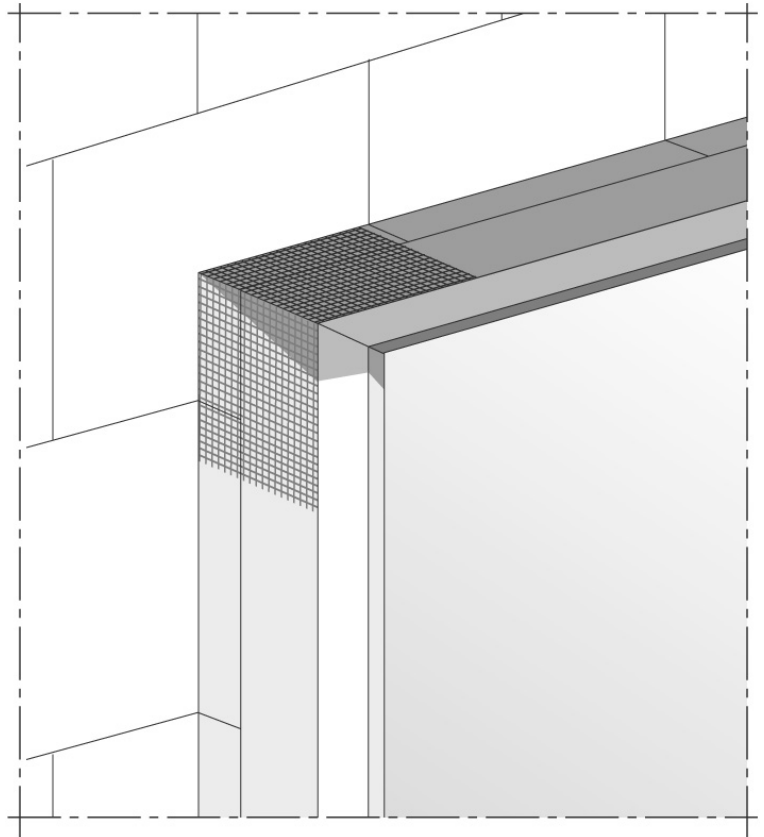


Figure 3
ETICS Glass Fibre Mesh 3797 with
ETICS Reinforcement Arrow 3713
and ETICS Diagonal Reinforcement
Angle 3692

