

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

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Plaster and Façade Systems

K445a.de

Product Data Sheet

2022-02

Reinforcing mesh 4x4

All-purpose reinforcement mesh

Product description

High strength, permanent, alkaline resistant reinforcement mesh with a mesh spacing of 4 x 4 mm.

Storage

Store in a dry place and protect against moisture, exposure to sunlight and temperatures exceeding +30 °C.

Quality

The product is subject to continuous factory production control and bears the Ü marking. It corresponds with the recommendations of the EAD 040016-00-0404 (ETAG 004) from the EOTA.

Properties and added value

- For interior and exterior application
- Permanently alkaline resistant
- Mesh spacing 4 x 4 mm
- White with blue markings for the mesh overlap
- Non-displaceable

Field of application

Universal application as a reinforcement mesh.

Reinforcement mesh for Knauf WARM WALL systems acc. to National Technical Approval (AbZ) / General Type Certification:

- WARM WALL Basis in Solid Construction (Z-33.41-81, Z-33.43-82)
- WARM WALL Basis (Doubling Up) in Solid Construction (Z-33.49-981)
- WARM WALL Plus (Doubling Up) in Solid Construction (Z-33.49-981)
- WARM WALL Plus in Solid Construction (Z-33.43-82, Z-33.44-83)
- WARM WALL Natur D in Timber Construction (Z-33.47-638)
- WARM WALL Natur T in Timber Construction (Z-33.47-673)
- WARM WALL Natur S in Timber Construction (Z-33.47-1258)
- WARM WALL Basis EPS in Timber Construction (Z-33.47-899)
- WARM WALL Plus MW in Timber Construction (Z-33.47-899)

Application

Preparation

Cover or apply a watertight covering to easily-soiled building components (e.g. window sills) prior to application. Protect weather-exposed surfaces from precipitation and direct sunlight. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Check the stability of existing coatings.

Application

Embed strips of reinforcement mesh or Gewebeeckwinkel Sturzecke mesh corner angle for lintel corners at the inner corners of openings (e.g. between the window reveal and window lintel) fully in the basecoat. Subsequently apply Gewebeeckwinkel mesh corner angle 100/150 perpendicular and flush. Apply the reinforcement layer and level it.

Except with Gewebeeckwinkel Sturzecke mesh corner angle for lintel corners, extending diagonally from all opening corners, Gewebeeckpfeile mesh corner arrows or approx. 300x500 mm strips of reinforcement mesh are embedded in the fresh mortar. Subsequently embed the reinforcement mesh over the entire surface, overlapping at the joints by at least 100 mm, wet in wet in the upper third of the reinforcing layer (the blue edge strips serve as overlapping markings). Apply a full covering of basecoat to the mesh.

Technical data

Description	Standard	Unit	Reinforcement mesh 4x4
Weight per unit area	ETAG 004	g/m ²	approx. 165
Mesh spacing	ETAG 004	mm	4 x 4 (± 0.5)
Tensile strength warp/weft (delivered condition)	ETAG 004	N/5 cm	≥ 1800
Tensile strength warp/weft (after ageing)	ETAG 004	N/5 cm	≥ 1000
Colour shade			
▪ Base colour shade	–	–	White approx. RAL 9010
▪ Print	–	–	Blue approx. RAL 5015

Product range

Description	Application mm	Width mm	Packaging unit		Material number	EAN
			m ² /roll	Rolls / pallet		
Reinforcement mesh 4x4	4 x 4	1100	55	30	00268045	4003950091636



Videos for Knauf systems and products can be found under the following link:

youtube.com/knauf



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