

EARTHQUAKE PROTECTION FABRICS

TECHNICAL DATASHEET

Areas of application:

Multiaxial hybrid high-tech fabric for the KAST earthquake protection service. KAST EQ-Grid is alkali-resistant and features a special finish to guarantee safe and easy embedding into KAST EQ-Grid system mortar. The combination of S evenly and effectively. Small and medium earthquakes might even go over without causing any damage at all. Even during strong earthquakes, the building would be highly unlikely to collapse. KAST EQ-Grid is also perfect for crack repair with standard. The tissue layers are to be applied as specified in the KAST EQ-Grid brochure and the planner's indication.

EQ-GRID

Version no.	eq-grid_111024
Description Kast	EQ-Grid
Loomstate weight (g/m²)	330
Finished weight (g/m²)	370-380
Coating (g/m²)	45
Coating (%)	13,6
Coating type	dispersion plastic
Measurement	
Width (cm)	125,0
Length m)	30,0
Yarn components (%)	
Glass	71,1
synthetic yarns	28,9
Weave construction	Multiaxial, tricot
	0° +60° 90° -60°
Weight of rolls (kg)	14



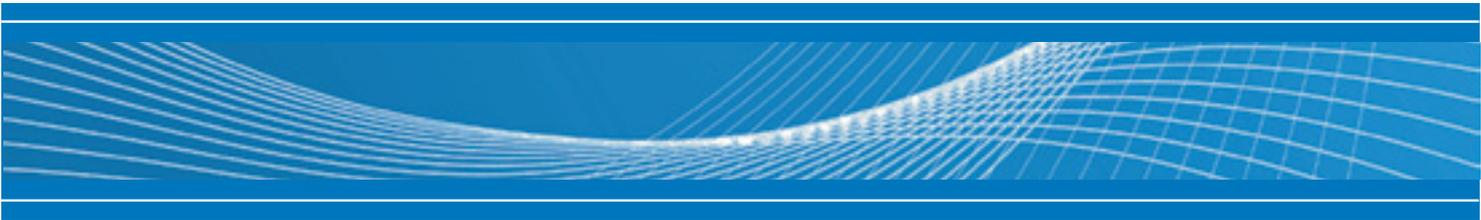
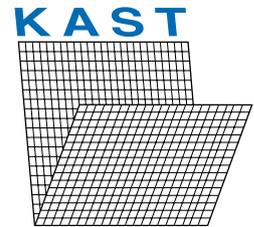
Material base:

Hybrid mixture of alkali-resistant special glass yarn and special synthetic fibre.

Properties:

- Quick and easy installation
- Protects against earthquake damage!
- Highest crack prevention
- Suitable for crack repair
- Good adhesion on plaster
- Alkali-resistant
- Easy handling
- Non-displaceable
- Optimal force distribution

Our application recommendations are based on experience. Any liability due to these recommendations is excluded. The buyer must verify whether our products are suitable for the intended end-use. We reserve the right regarding chagement of technical values, the illustration and text passages as well as for errors. Older technical datasheet versions are replaced by this new version.



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Processing:



KAST EQ-Grid is applied manually to the prepared and dry surface in a layer of approx. 3 mm or spray-applied with a machine and smoothed with a trowel. The KAST EQ-Grid seismic fabric is carefully embedded into the fresh mortar with a steel trowel. Surface reinforcement requires that the newly embedded KAST EQ-Grid seismic fabric is covered with a coat of at least 5 mm KAST EQ-Grid on the same day. Too thick layers over the seismic fabric should be avoided in the same work step. For better mechanical adhesion of the plasters and insulation systems, the freshly applied KAST EQ-Grid can be roughened with a fine notched trowel in a criss-cross pattern. Therefore, the finished earthquake protection system has a nominal plaster thickness of approx. 8 mm.

For best results, KAST EQ-Grid seismic fabric has to be embedded in KAST EQ-Grid following the procedure defined and described in the currently applicable processing guidelines.
Available online at [www.eq-tec.com Search for: EQ-Grid] or in the sales office nearest to you.

It should be applied without gaps and with 10 cm overlapping. Beforehand, diagonal reinforcements (20x40 cm) are thinly embedded in the corners of all building apertures. Over door and window headers, a banderole-type reinforcement around the entire building is used instead of diagonal reinforcements (width at least >40 cm). This type of reinforcement is also used in the areas of the ceiling support, the base and the uppermost floor. For more detailed information please refer to the processing guideline System KAST EQ-Grid.

KAST EQ-Grid earthquake protection fabrics can be cut with special scissors for carbon fibre or even with standard cutters.

Hazard notes:

Our separate safety data sheets contain detailed safety instructions as well. Read these safety data sheets before use.

Storage:

Dry, protect from humidity and UV radiation (sun, light). Minimum shelf life 12 months.

Article no.	141683	142693	142692
Info	half a roll as a banderole, a diagonal reinforcement, etc. e.g. for window headers with roller shutter housings		One third of a roll as a banderole, a diagonal reinforcement, etc.
Type of packaging	roll	roll	roll
Amount per unit	37,5 m ² /EH	18,6 m ² /EH	12,48 m ² /EH
Length	30 m		
Width	1,25 m	0,62 m	0,41 m
Colour	orange		
Consumption	0,88 lfm/m ²		
Average bulk density	approx. 0,375 kg/m ³		

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