

G-TEX JOKER

ANTI-FRACTURE MEMBRANE, PERMANENTLY ELASTIC, RESISTANT TO STATIC AND DYNAMIC CRACKS, TO SET UP DECOUPLING SYSTEMS ON HORIZONTAL STRUCTURES IN CONCRETE, CEMENT OR WOOD FINISHED WITH ANY KIND OF MATERIAL IN ANY DIMENSION.



Technical Data Sheet – Rev. 11/2019

DESCRIPTION

G-TEX JOKER is a multilayer polymeric / elastomeric membrane with exclusive technology, consisting of:

- TNT/E: Elastic non-woven fabric in polypropylene;
- SPD: closed cell polymeric / elastomeric layer which allows the tensions due to dimensional variations of the supports to be compensated and absorbed;
- TNT/E: Elastic non-woven fabric in polypropylene.

G-TEX JOKER can compensate the physical and mechanical stresses which it is subjected to when interposed between layers of different materials, maintaining its deformability and elasticity characteristics unaltered over time. G-TEX JOKER is breathable, anti-fracture, with a high crack-bridging capacity.

G-TEX JOKER allows decoupling systems to be installed on any type of surface, avoiding the transmission of movements from the lower layers to the finishing layers.

FIELDS OF APPLICATION

Designed to guarantee long lasting decoupling between the various layers, G-TEX JOKER is used for horizontal applications, on any type and size of surface, even with fraction or expansion joints.

Its high elasticity makes G-TEX JOKER ideal for bridging existing static and dynamic cracks; in new building projects, G-TEX JOKER is used to prevent cracks from forming due to structural movements, hygrometric shrinkage or for works that do not comply with the standards.

Thanks to its exclusive technology, G-TEX JOKER can absorb the transverse tensions deriving from the movements of the structures. Its multilayer structure, which guarantees high bonding with specific GEODRY adhesives, makes it particularly suitable as a substrate for laying a wide range of materials, such as ceramic, laminated stoneware, thin slabs, large formats, 300 x 150 cm slabs, klinker, fired, porcelain stoneware, ceramic mosaics, glassy mosaics, glass, stone, marble and reconstructed material, resilient materials (parquet, linoleum), plastic and wood.

G-TEX JOKER is used indoors to build floors on cracked screeds, to lay new coverings on existing floors in domestic, commercial or industrial environments.

SUBSTRATES

G-TEX JOKER can be glued directly onto:

- cementitious screeds, radiant systems, concrete, plaster, plasterboard, cellular concrete, fibre cement slabs, thermal insulation panels after smoothing (eps, xps, rock wool, glass wool, cork, wood fibre), OSB panels (Oriented Strand Board), ceramic floors and ceramic mosaics.
Required adhesive class C2 S1, such as AQUABOND EXTRAFLEX.
- metal surfaces, resilient materials (linoleum), parquet and wooden floors.
Required adhesive AQUAFIX ULTRA (A+B).

SUBSTRATE PREPARATION

Cementitious screeds

The cementitious screeds must be flat, solid, free of loose parts, without any dust and greasy substances and any material that might jeopardise the perfect adhesion of G-TEX JOKER.

Even off any irregularities using specific GEODRY products.

Very porous, absorbent and superficially crumbling surfaces must be reinforced with the water bonding promoter GEODRY AQUAGRIP RECONTACT.

Ceramic floors

The floors must be intact, resistant, well adherent, dry and clean from residues of previous processing and anything that could jeopardise bonding such as oil, grease and wax.

Remove any tiles which are detaching and even off the surface with specific GEODRY products.

For correct cleaning, wash the old floor with a water and caustic soda solution (30%) and rinse with plenty of water to eliminate any residues.

Concrete

Concrete surfaces must be compact, solid, clean, without loose parts, free of dust and traces of release agents.

In the presence of downgraded concrete structures, remove detaching concrete (hydro-sandblasting or high pressure water wash recommended) and then clean the oxidation of the iron reinforcements. For their active and passive protection, treat with GEOFER 1 K single-component thixotropic mineral mortar. Reconstruct the initial volumes of the concrete and regularise the surface with GEODRY GEOGROUT line fibre-reinforced mineral mortars.

In the case of high temperatures or particularly dry substrates, it may be useful to wet the concrete before applying the cementitious adhesive.

Plaster

The plaster must be sufficiently flat, solid, consistent and superficially resistant mechanically. Any finish levelling or old painting must be removed to avoid jeopardising bonding of the system. Excessively porous and crumbly surfaces must be appropriately treated and reinforced with specific GEODRY products.

Metal surfaces

Metal surfaces must be dry and clean, free of any residue from previous work and anything that could compromise the adhesion of the adhesive, such as oil, grease and wax. Since these are special substrates, which are difficult to classify, it is advisable to always contact the GEODRY TECHNICAL ASSISTANCE SERVICE and/or request a site inspection.

APPLICATION

Laying on horizontal surfaces of any type and size

1. Mix the cementitious adhesive with water to bond the G-TEX JOKER membrane onto cementitious substrates, in compliance with the product preparation method described in the relevant Technical Data Sheet.
2. Cut and shape G-TEX JOKER according to the dimensions of the surface to be treated.
3. Treat the surface by applying the cementitious adhesive on the substrate with a notched trowel (6 mm), making sure to spread the adhesive in one direction, coinciding with the direction that G-TEX JOKER was spread.
4. Glue G-TEX JOKER on the entire surface of the fresh adhesive layer, press the surface of the membrane with a smooth trowel in the application direction of the adhesive so there are no air bubbles and to guarantee perfect bonding.
5. Lay the next rolls taking care to place the sheets as close as possible, and do not leave uncovered gaps.
6. Once completed, make sure that the layer of cementitious adhesive is completely hardened and proceed with laying the covering. Depending on the type of material chosen, use a specific adhesive according to the provisions of the covering supplier. When covering is not to be laid, proceed with the application of a protective layer that is at least 2 mm thick.

YIELD

1.00 m² per m² of surface to be separated.

RACCOMANDAZIONI

- Not to be used on structural elements that have any type of cracks.

- G-TEX JOKER is not waterproof – outdoor use is only permitted when used together with geomembranes in the GEODRY G-TEX range.
- To treat substrates with cracks larger than 4 mm correctly, contact the GEODRY TECHNICAL ASSISTANCE SERVICE.
- Accidental damage to G-TEX JOKER must be restored by applying additional membrane sheets to cover the damaged part.
- Store in the original unopened packaging and protect from direct exposure to sunlight.

PACKAGING

G-TEX JOKER is available in roll on cardboard tube wrapped with heat-sealed polyethylene, in following dimensions:
– 30 m² (20 m long x 1.50 m wide).

TECHNICAL DATA

Identification data	
Length (m):	20
Width (m):	1.50
Weight (g/m ²):	515
Thickness (mm):	1.65

FINAL PERFORMANCE

	Results	Test method
Tensile strength (N/50 mm):	L = 140 T = 110	EN 12311-2 Met. A
Elongation at maximum traction (mm):	L = 195 T = 205	EN 12311-2 Met. A
Breaking point (%) Lo (initial: 100 mm):	L = 55 T = 74	EN 12311-2 Met. A

SPECIFICATIONS

SPD membrane, anti-fracture, permanently elastic, resistant to static and dynamic cracks, such as GEODRY **G-TEX JOKER** (*characteristics and performance as per Technical Data Sheet*), specific for anti-cracking, decoupling systems to be installed on horizontal structures in concrete, cement or wood, finished with materials of any type and size.

The surfaces must be clean, solid, free of loose parts or detaching parts.

G-TEX JOKER will be glued to the support with a mineral adhesive, classified as C2TE by European Standard EN 12004, such as GEODRY AQUABOND EXTRAFLEX.

FOR FURTHER DETAILS OR SPECIAL USES CONTACT THE **GEODRY TECHNICAL DEPARTMENT**.

Tel. +39 075 7825557

support@geodry.com

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