

AQUAFIX POLYS

MOISTURE-CURING, MINERAL ORGANIC ADHESIVE, PERMANENTLY ELASTIC, SPECIFIC FOR BONDING AND SEALING OVERLAPS BETWEEN G-TEX GEOMEMBRANES AND ALL G-TEX STRIP ELEMENTS.



Technical Data Sheet – Rev. 11/2019

DESCRIPTION

AQUAFIX POLYS is a ready-to-use adhesive formulated with exclusive hydro-hardening polymers with low environmental impact, free from solvents, isocyanates and substances hazardous to health and the environment, resistant to ageing and to atmospheric conditions.

AQUAFIX POLYS has been designed to guarantee the continuity and durability over time of GEODRY waterproofing systems, thanks to its chemical compatibility with G-TEX geomembranes in flexible polyolefins. It absorbs movement caused by thermal expansion, vibrations and contractions without the risk of breakage. It polymerises with atmospheric humidity and develops perfect adhesion between overlapping G-TEX geomembrane sections, forming a high performance and permanently elastic adhesive.

FIELDS OF APPLICATION

AQUAFIX POLYS, used for continuous waterproofing and durability in GEODRY systems, is specific for bonding and sealing overlays between G-TEX geomembranes and all G-TEX STRIP elements (G-TEX STRIP H 12, waterproof tape for sealing combined joints between G-TEX AIRFULL geomembranes or G-TEX TUTOR geomembranes; G-TEX STRIP H 20, waterproof tape for sealing joints between floor and wall; G-TEX STRIP 90 and G-TEX STRIP 270, shaped waterproof tape for sealing in 90° and 270° corners). The chemical and physical properties of AQUAFIX POLYS guarantee perfect adhesion and continuous waterproofing, thus eliminating problems with joints between the various elements of the waterproofing system.

AQUAFIX POLYS is suitable for bonding on wood and similar and for laying on medium thickness wooden floors on G-TEX geomembrane.

SUBSTRATE PREPARATION

The substrate to be waterproofed must comply with the requirements set forth by Standard UNI 11493 regarding curing, integrity, mechanical and superficial strength, dimensional regularity, moisture and absence of contaminant agents.

Regardless of the type of substrate, waterproofing requires giving proper consideration to all the details such as positioning of the drains, regularisation of interconnecting points between floor and wall, of both interior and exterior corners and treatment of any structural couplings.

G-TEX geomembranes

The geomembrane surfaces to bond must be clean and free from dust, cement residues or any other material that can jeopardise perfect bonding of the adhesive. For more rapid curing of the adhesive, spray the G-TEX geomembrane surfaces with water before laying AQUAFIX POLYS.

Wooden 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 or wax. Remove any boards during the detachment phase and make sure the surfaces are even.

PRODUCT PREPARATION

AQUAFIX POLYS is ready-to-use and can be utilised as-is.

APPLICATION

Apply a uniform layer of AQUAFIX POLYS adhesive with a V-notch trowel (3 mm notch) over the entire surface to seal. Exert sufficient pressure on the entire length of the overlaps using a smooth plastic trowel so there are no air bubbles and to guarantee perfect sealing.

YIELD

Approx. 150 g/m².

RECOMMENDATIONS

- Strong sun or excessive ventilation can greatly affect the processing time of the product.
- AQUAFIX POLYS must be brought to room temperature before applying.
- Moisten with water the edges of the G-TEX geomembrane before laying the product. This will facilitate correct curing.
- Protect the covering from rain and wash-out, from freezing or direct sunlight until the product is completely cured.
- This is a hydro-hardening product, therefore, do not leave any open containers. If the content of the package has not been finished completely, close it correctly to prevent product hardening.

PACKAGING

AQUAFIX POLYS is available in plastic buckets containing a 7 kg aluminium bag. Keep the product in a dry place, in its original, properly closed packaging. In these conditions, its stability is of at least 12 months.

TECHNICAL DATA

Appearance:	paste
Colour:	beige
Chemical nature:	Modified Silane Polymer
Hardening mechanism:	igroindurente
Viscosity (Pa·s) [23°C, piatto-cono]:	20
Apparent volume mass (g/ml):	1.54
Hardening in thickness at 23 °C and 50% RH:	65 min.
Loading strength at fracture (N/mm ²) [DIN 14293]:	1.9
Shear strength at fracture (N/mm ²) [wood-wood DIN 14293]:	2.2
Shear strength at fracture (N/mm ²) [wood-cement DIN 14293]:	1.8
Resistance to slip (mm) [DIN EN 1902]:	0
Time of first induration:	1 h
Walkability:	12 h
Operating temperature:	from -30 °C to +60 °C
Allowed application temperature:	from +5 °C to +35 °C

| Data collection at +23 °C - RH 50% and no ventilation |

SAFETY INSTRUCTIONS

Pursuant to CE 1272/2008 (CLP), the product is not considered hazardous. Implement common safety measures and wear protective gloves and clothing.

Consult the Safety Data Sheet in order to use the product safely.

SPECIFICATIONS

Sealing of overlaps between G-TEX geomembranes and all G-TEX STRIP elements. with hydro-hardening organic mineral, permanently elastic adhesive with low environmental impact, free from solvents, isocyanates and substances hazardous to health and the environment, such as **AQUAFIX POLYS** by GEODRY (*features and performance according to the attached Technical Data Sheet*).

G-TEX geomembrane surfaces to be sealed must be sprayed with water to facilitate complete curing of the adhesive and must have been cleaned of any material that can jeopardize adhesion. The adhesive must be applied with a triangular notched trowel (with 3 mm notch), providing for consumption of approx. 150 g/m².

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

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The information in this technical data sheet is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests.