

Aquafix Ultra (A+B)

TWO-COMPONENT REACTIVE ADHESIVE SPECIFICALLY FOR BONDING AND SEALING OVERLAPS BETWEEN G-TEX GEOMEMBRANES AND ALL G-TEX STRIP ELEMENTS. IDEAL FOR BONDING AND SEALING G-TEX GEOMEMBRANES ON NON-ABSORBENT SURFACES SUCH AS METAL, PLASTIC, SYNTHETIC SUBSTRATES, TREATED WOOD OR WOOD PARTICULARLY SENSITIVE TO WATER.



TECHNICAL DATA SHEET - REVISION 01/2024

DESCRIPTION

AQUAFIX ULTRA (A+B) is a two-component reactive adhesive that contains no water and is free from solvents and substances hazardous to health and the environment, with excellent resistance to ageing and weather conditions. AQUAFIX ULTRA (A+B), thanks to its chemical compatibility with G-TEX flexible polyolefin geomembranes, has been designed to ensure continuity and long-term durability of GEODRY waterproofing systems. It absorbs possible movements caused by thermal expansion and vibrations without risking loss of surface watertightness. AQUAFIX ULTRA (A+B) also develops perfect adhesion on both non-absorbent surfaces such as metal, plastic, hydrophobized wood or synthetic surfaces, and traditional cementitious substrates.

FIELDS OF APPLICATION

AQUAFIX ULTRA (A+B), used to create continuous and durable waterproofing in GEODRY systems, is specifically designed for bonding and sealing overlaps between G-TEX geomembranes and all G-TEX STRIP accessories. The chemical-physical properties of AQUAFIX ULTRA (A+B) ensure perfect adhesion and continuity of waterproofing, eliminating critical points at the junctions between the various elements of the waterproofing system. AQUAFIX ULTRA (A+B) can also be used for bonding and sealing G-TEX geomembranes on non-absorbent substrates, such as metal surfaces, laminates, plastics, or on treated wood surfaces or surfaces particularly sensitive to water. AQUAFIX ULTRA (A+B) can be used for installing any type of covering such as parquet, rubber flooring, PVC, carpet or ceramic covering. However, it is recommended to check the bonding strength of AQUAFIX ULTRA (A+B) on rubber, PVC or similar flooring with a preliminary test, due to particular types of materials on the market that are subject to chemical treatments which could make bonding difficult. AQUAFIX ULTRA (A+B), thanks to its high elasticity, is also suitable for bonding on screeds with underfloor heating.

SUBSTRATE PREPARATION

Create surfaces with adequate slopes to ensure correct water run-off and avoid ponding. The substrate to be waterproofed must comply with the requirements established by UNI 11493 regarding curing, integrity, mechanical and surface strength, dimensional regularity, moisture and absence of contaminants. Regardless of substrate type, for proper waterproofing, due consideration must be given to all details, such as positioning drains, regularizing floor-to-wall junctions, internal and external corners, and preparing any existing joints.

Metal, plastic or synthetic surfaces

Surfaces of materials where sealing is to be carried out must be clean, dry, free from oil, grease, rust, dust and oxides. Remove dust and cement residues with compressed air, abrasive paper or a stiff brush.

Non-absorbent surfaces, such as glass or metal, must be free from deteriorated coatings and thoroughly cleaned with a suitable solvent. Non-stick materials, such as prefabricated panels, must be mechanically sandblasted and finally cleaned of any residual dust or other material that could compromise perfect adhesive bonding.

G-TEX geomembranes

The surfaces of the geomembranes to be sealed must be clean, free from dust, cement residues or any other material that could compromise perfect adhesive bonding.

APPLICATION

Pour AQUAFIX ULTRA "component A" 4.5 kg into a clean container together with the contents of AQUAFIX ULTRA "component B" 0.5 kg and mix using a low-speed electric paddle mixer to avoid excessive air entrainment. Mix until a homogeneous, lump-free mixture is obtained.

Apply a uniform layer of AQUAFIX ULTRA (A+B) adhesive with a triangular-notched trowel (3 mm notch) over the entire surface to be sealed. Using a smooth trowel, apply adequate pressure along the full length of the overlaps so as not to leave air bubbles and to ensure perfect sealing.

COVERAGE

Coverage as adhesive: 800-1500 g/m² depending on substrate conditions and the type of material to be bonded.

Coverage as sealant: 200 g/m².

RECOMMENDATIONS

- ◆ When sealing overlapped edges of G-TEX geomembranes or treating G-TEX accessories, do not smear AQUAFIX ULTRA (A+B) adhesive outside the edges to be sealed; carry out the work as cleanly as possible.
- ◆ Always verify the bonding strength of AQUAFIX ULTRA (A+B) on rubber, PVC or similar flooring with a preliminary test, due to the presence on the market of particular materials subject to chemical treatments that could make bonding difficult.
- ◆ Direct sunlight or excessive ventilation can affect the product working time.
- ◆ Protect the covering from rain or wash-off, frost and direct sunlight until the product has completely cross-linked.
- ◆ All equipment used to prepare and install AQUAFIX ULTRA (A+B) must be cleaned with alcohol or solvent before hardening.

PACKAGING

AQUAFIX ULTRA (A+B) is supplied in 5 kg units containing AQUAFIX ULTRA "component A" in a 4.5 kg bucket and AQUAFIX ULTRA "component B" in a 0.5 kg bottle. Store the product in dry environments and in its original tightly closed packaging. Under these conditions, its stability is at least 12 months.

SAFETY INSTRUCTIONS

When handling, avoid contact with skin and eyes by wearing suitable protective clothing, as the product may cause irritation.

For more information on safe use of the product, consult the relevant Safety Data Sheet.

SPECIFICATION

Sealing overlaps between G-TEX geomembranes and all G-TEX STRIP elements with a two-component reactive adhesive, type AQUAFIX ULTRA (A+B) by GEODRY. The surfaces of the G-TEX geomembranes to be sealed must be clean of any material that could compromise correct adhesion. The adhesive shall be applied with a triangular-notched trowel (3 mm notch), allowing for a consumption of approximately 200 g/m².

TECHNICAL DATA

Appearance:	paste
Colour:	beige
Viscosity of component A at testing (mPa·s):	135000 +/- 5000
Viscosity of component B at testing (sec.) [DIN 4]:	40 +/- 2
Mixing ratio:	4.5:0.5
Pot life:	45 min.
Drying:	24-48 h
Application temperature:	> +10 °C

The declarations are valid at an ambient temperature of +23 °C with a test period of 28 days.

The information and recommendations above are based on our best experience. However, we cannot accept any responsibility for incorrect use of the products. We therefore recommend that anyone intending to use them assess whether they are suitable for the intended application and in any case carry out preliminary tests. Always refer to the latest updated version of the technical data sheet, available at www.colmef.com.

FOR FURTHER INFORMATION OR SPECIAL USES, CONTACT THE COLMEF TECHNICAL ASSISTANCE SERVICE.

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