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Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
Parliament and of the Council of 9
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MEMBER OF EOTA



European Technical Assessment ETA-25/1145 of 2026/01/07

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 66 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Alfix Banemembran Basic
Alfix Våtrumsmatta Basic

Product family to which the above construction product belongs:

Watertight covering kit for wet room floors and walls based on flexible sheets

Manufacturer:

Alfix A/S
H.C. Ørstedsvej 13
DK-6000 Kolding
Telephone: +45 7552 9011
Internet: www.alfix.com

Manufacturing plant:

Alfix A/S
H.C. Ørstedsvej 13
DK-6000 Kolding

This European Technical Assessment contains:

7 pages

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, based on:

European Assessment Document (EAD) No. 030436-00-0503 Watertight covering kits based on flexible sheets for wet room floors and or walls

This version replaces:

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II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product

Alfix Banemembran Basic/Alfix Våtrumsmatta Basic is a flexible sheet kit, which serves as a watertight covering for wet room floors and walls beneath a wearing surface.

The kit consists of the following components:

Primer

Alfix PlaneMix Primer which is a polymer dispersion for use on moisture sensitive substrates. The primer is intended to have a significant additional function in limiting the water vapour permeability of the kit

Membrane

Alfix Banemembran Basic/Alfix Våtrumsmatta Basic is a 3-ply waterproof membrane consisting of two outer layers of polypropylene non-wovens and an inner layer of polypropylene. The thickness of the membrane is 0.4 (+0.1/-0.05) mm, and the weight is 192 (+30/-20) g/m².

Reinforcement

The reinforcement Alfix SealStrip, Alfix VT-Rørmachet PU, Alfix VT-Hjørner and Alfix VT-Tætningsbånd are used in connection between the floor and the wall, in corners and around penetrations. For floor gullies the Alfix Afløbsmachet is used. The reinforcement is not intended to cover the entire floor and wall covering, but is used over joints and in corners and around pipe penetrations and floor gullies

Adhesives

Adhesives covered by this ETA are: Alfix 2K liquid membrane.

The kit is constructed as follows:

- a layer of diluted Alfix PlaneMix Primer (depending on substrate)

- reinforcement of in- and outgoing corners in walls, over joints or cracks in the substrate, around pipe penetrations, floor gullies and along the connection between floor and wall with reinforcement Alfix Seal Strip, VT- Rørmachet, VT- Hjørner, VT-Tætningsbånd, Afløbsmachet or Seal-Mat.

- Alfix Banemembran Basic/Alfix Våtrumsmatta Basic adhered to the substrate with approx. 0.5 kg/m² Alfix 2K liquid membrane.

- a layer of ceramic tiles adhered to the kit with cement-based tile adhesive (Alfix ProFix,, Alfix ProFix Plus or Alfix LetFix Plus).

2 Specification of the intended use in accordance with the applicable European Assessment Document (hereinafter EAD)

The intended use of the covering kit is:

1. Watertight covering for use beneath a wearing surface, normally in the form of tiles, on substrates of wood based panels, gypsum boards, fibre cement boards, cement bonded boards, watertight boards made from a polystyrene core with a cement based glass fibre reinforced covering and concrete, i.e., moisture sensitive substrates, which are flexible and with jointing and susceptible to cracking

The kit can be used with the following types of floor gullies made from stainless steel or plastic:

Gullies with a) Drain fleece flange, b) Drain with a plastic or metal flange and screwed clamping ring c) channel drain stainless steel with rear wall clip or channel drain with a plastic flange d) corner drain stainless steel.

2. Indoor applications, where the liquid applied, kit is not exposed to temperatures (i.e., temperature of structure) below 5 °C and above 40 °C, in the following uses:

- Floor and wall surfaces with only occasional direct exposure to water, e.g., at a good distance from shower or bathtub.

- Floors and walls in shower areas or around bathtubs used for a few showers daily, e.g., in ordinary dwellings, multi-family houses and hotels

- Floor and wall surfaces with exposure to water more frequent or of longer duration than normally anticipated in dwellings, e.g., public wet rooms, schools and sport facilities.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the kit of 25 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

Characteristic	Assessment of characteristic													
3.2 Safety in case of fire (BWR2)														
Reaction to fire	No performance assessed													
3.3 Hygiene, health, and the environment (BWR3)														
Content, emission and/or release of dangerous substances*	Release scenario: IA2 <table border="1"> <thead> <tr> <th></th><th>SVOC [μ g/m³]</th><th>VOC [μ g/m³]</th></tr> </thead> <tbody> <tr> <td>After 3 days</td><td>NPA</td><td>≤ 1000</td></tr> <tr> <td>After 28 days</td><td>≤ 50</td><td>≤ 100</td></tr> </tbody> </table> <p>The s_d value of the membrane at 23°C and RH 100 → 75 % is 50,1 m</p>			SVOC [μ g/m ³]	VOC [μ g/m ³]	After 3 days	NPA	≤ 1000	After 28 days	≤ 50	≤ 100			
	SVOC [μ g/m ³]	VOC [μ g/m ³]												
After 3 days	NPA	≤ 1000												
After 28 days	≤ 50	≤ 100												
Vapour permeability	<p>The s_d value of the membrane at 23°C and RH 93 → 50 % is 59,1 m</p> <p>The values are for the flexible sheet alone, and the other components of the kit are not considered to have an adverse effect on these values.</p>													
Water tightness	Watertight													
Crack bridging ability	<p>Assessment category 3: Crack width in test 1,5 mm</p> <p>Alfix PlaneMix Primer, Alfix Banemembran Basic and 0.5 kg/m² Alfix 2K liquid membrane and tile adhesive Alfix LetFix Plus on a concrete substrate comply with</p> <p>Assessment category 2: Bond strength $\geq 0,3$ MPa</p>													
Bond strength	<p>Alfix PlaneMix Primer, Alfix Banemembran Basic and 0.5 kg/m² Alfix 2K liquid membrane and tile adhesives Alfix ProFix & Alfix ProFix Plus on a concrete substrate comply with</p> <p>Assessment category 3: Bond strength $\geq 0,5$ MPa</p>													
Scratching resistance	Not relevant													
Joint bridging ability	<p>The kit can join bridges</p> <p>The kit is watertight</p>													
Water tightness around penetrations	<p>Repairability: No performance assessed</p> <table border="1"> <thead> <tr> <th colspan="2">Tensile strength</th><th colspan="2">Elongation</th></tr> <tr> <th>Unexposed</th><th>Exposed</th><th>Unexposed</th><th>Exposed</th></tr> </thead> <tbody> <tr> <td>152 N</td><td>160 N</td><td>174 %</td><td>144%</td></tr> </tbody> </table> <p>Alfix PlaneMix Primer, Alfix Banemembran Basic and 0.5 kg/m² Alfix 2K liquid membrane and tile adhesives Alfix LetFix Plus, Alfix ProFix & Alfix ProFix Plus on a concrete substrate comply with</p> <p>Assessment category 2: Bond strength $\geq 0,3$ MPa</p>		Tensile strength		Elongation		Unexposed	Exposed	Unexposed	Exposed	152 N	160 N	174 %	144%
Tensile strength		Elongation												
Unexposed	Exposed	Unexposed	Exposed											
152 N	160 N	174 %	144%											
Resistance to temperature														
Resistance to water														

Characteristic	Assessment of characteristic					
	Assessment category 2 , ageing of the sample at 50°C for 16 weeks					
Resistance to alkalinity	Tensile strength		Elongation			
	Unexposed		Exposed			
	223 N		220 N			
Resistance to mechanical wear	Not relevant					
Joint strength	Joint strength parallel, MD: 209 N					
Flexibility	Joint strength transverse, CMD: 165 N					
	No visible cracks or surface deterioration					

3.4 Safety and accessibility in use (BWR4)

Slipperiness	Not relevant	
Cleanability	Not relevant	
Thickness	0.4 (+0.1/-0.05) mm	

See additional information in section 3.8 – 3.9.

*) In addition to the specific clauses relating to dangerous substances contained in this European technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g., transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

3.8 Methods of verification

The product is fully covered by EAD 030436-00-0503 watertight covering kits based on flexible sheets for wet room floors and or walls.

3.9 General aspects related to the fitness for use of the product

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

Alfix Banemembran Basic/Alfix Våtrumsmatta Basic is manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

4 Attestation and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base

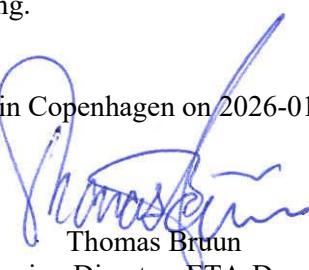
4.1 AVCP system

According to the Decision 2003/655/EC of the European Commission, as amended, the system(s) of assessment and verification of constancy of performance is system 2+ (see Annex V to Regulation (EU) No 305/2011).

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2026-01-07 by



Thomas Bruun
Managing Director, ETA-Danmark