



ETA-Danmark A/S  
Göteborg Plads 1  
DK-2150 Nordhavn  
Tel. +45 72 24 59 00  
Internet [www.etadanmark.dk](http://www.etadanmark.dk)

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

MEMBER OF EOTA



## European Technical Assessment ETA-20/0296 of 2026/01/07

### I General Part

**Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S**

**Trade name of the construction product:**

LITEX Membrane Board

**Product family to which the above construction product belongs:**

Watertight boards as a watertight covering for wet room floors and walls.

**Manufacturer:**

Litex A/S  
Postboks 1073  
NO-3203 Sandefjord  
Telephone +(47) 33489970  
Internet [www.litex.no](http://www.litex.no)

**Manufacturing plant:**

**This European Technical Assessment contains:**

7 pages

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

EAD 030437-00-0503 Watertight covering kits based on inherently watertight boards for wet room floors and/or walls

**This version replaces:**

The ETA with the same number issued on 2020-04-20

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## II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

### 1 Technical description of product

LITEX Membrane Board watertight covering kit consists of LITEX Membrane Board, which is a board with a core of extruded polystyrene, (XPS) coated on both sides with an aluminium layer, and on top of this aluminium layer the board is reinforced on both sides with a reinforcement mesh. The reinforcement mesh is glued to the board with a water-dilutable epoxy adhesive. Supplementary products to LITEX Membrane Board include associated components, such as Litex reinforcements, Jointing strips, Pipe collars, Collar for internal and external corner, Floor drain collar, Litex mounting discs and screws, Litex mounting adhesives, Tile adhesive and Watertight membrane. for wet room floors and walls beneath a wearing surface.

LITEX Membrane Board watertight covering kit consists of the following components:

#### Board

LITEX Membrane Board - a core of extruded polystyrene, (XPS) coated on both sides with an aluminium layer, and on top of this aluminium layer the board is reinforced on both sides with a reinforcement mesh. The reinforcement mesh is glued to the board with a water-dilutable epoxy adhesive, in the following dimensions:

Standard thickness	Weight kg/m <sup>2</sup> .	Standard dimension mm x mm
13	1,3	600*2440
20	1,6	
30	1,8	
50	2,5	

#### Reinforcement

The reinforcements are Litex “Skjøtebånd Gummiert/Jointing strip fleece”, Litex “Skjøteremse fiber/Jointing strip fibre” and Litex “Hjørne-mansjett invendig og udvendig/Collar internal and external corner fleece”. Litex jointing strip and Litex prefabricated collar internal and external corner are used in connection between the floor and the wall, in corners and around penetrations, all together with Hey`di K10 membrane.

Alternatively, Litex “Skjøtebånd selvklebende/Jointing strip self-adhesive” can be used between Litex Membrane Boards, in corners and over Litex Screws and washers without liquid membrane.

Sealing of pipe penetrations is made with Litex “Rørmansjett/Pipe collar rubberized” which is a prefabricated collar made of Fibre reinforced NBR fleece, with Ø8mm – Ø28mm or Ø40mm holes and an outside dimension of 110\*110mm. Sealing of floor gullies is made with Litex “Slukmansjett formpresstet/Floor drain collar”, which is a prefabricated collar made of Fibre reinforced NBR fleece, with an outside dimension of 350\*350mm.

#### Adhesives

Tile adhesives covered by this ETA are:  
Weber Rex Fix.

#### Other components

**Hey`di K10 membrane:** Watertightness is done with Hey`di K10 membrane and shall cover all the reinforcements, except from Litex “Skjøtebånd selvklebende/Jointing strip self-adhesive”. The reinforcements are not intended to cover the entire floor and wall covering but are used over joints and in corners and around pipe penetrations.

**Fasteners:** Litex Screws and washers

#### Kit

The kit is constructed as follows:

- LITEX Membrane Board.
- The reinforcements are Litex “Skjøtebånd selvklebende/Jointing strip self-adhesive”, Litex “Skjøtebånd Gummiert/Jointing strip fleece”, Litex “Skjøteremse fiber/Jointing strip fibre” and Litex “Hjørne-mansjett invendig og udvendig/Collar internal and external corner fleece”. Litex jointing strip and Litex prefabricated collar internal and external corner are used in connection between the floor and the wall, in corners and around penetrations.
- Reinforcement on floorings is made using Litex Membranduk (membrane) which is adhered to the floor construction with Litex 2K, and the membrane is finished at the walls 10 cm above the floor level. At incoming and outgoing corners, the “Hjørne-mansjett invendig og udvendig/Collar internal and external corner fleece” is used.
- Flooring joints are made with Litex 2K adhesive, which is brushed wet-on-wet.

- Sealing of pipe penetrations is made with Litex “Rørmansjett/Pipe collar fleece” which is a prefabricated collar made of Fibre reinforced NBR fleece, with Ø8mm – Ø28mm or Ø40mm holes and an outside dimension of 110\*110mm. Sealing of floor gullies is made with Litex “Slukmansjett formpresset/Floor drain collar”, which is a prefabricated collar made of Fibre reinforced NBR fleece, with an outside dimension of 350\*350mm.
- Watertightness is done with Hey`di K10 membrane and shall cover the reinforcements. The reinforcements are not intended to cover the entire floor and wall covering but are used over joints and in corners and around pipe penetrations.
- a layer of ceramic tiles adhered to the kit with: Weber.set 610 Multi DR.

The provisions made in this European Technical Assessment are based on an assumed intended working life 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.

## **2 Specification of the intended use(s) 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 and concrete i.e. moisture sensitive substrates, which are flexible and with jointing and susceptible cracking.

The kit can be used with the following type of floor gullies: Circular and rectangular gullies made from stainless steel or plastic type PE, with flange for adhesion of the membrane, with clamping ring or with collar.

2. Indoor applications, where the flexible sheet 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. a good distance from shower or bathtub.
- Floor and wall in shower areas or around bathtubs used for a few showers daily, e.g. in ordinary dwelling, 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 room, schools and sport facilities.

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

Characteristic	Assessment of characteristic
<b>3.2 Safety in case of fire (BWR 2)</b>	
Reaction to fire	<b>No performance assessed</b>
<b>3. Hygiene, health and the environment (BWR 3)</b>	
Content, emission and/or release of dangerous substances*	<b>No performance assessed</b>
Vapour permeability	<b><math>\delta</math>: <math>3,26 \cdot 10^{-16}</math> kg/(m s Pa),</b> which is equivalent to Water Vapour resistance, Z-value: <b><math>4,74 \cdot 10^{13}</math> (m<sup>2</sup> s Pa)/kg.</b> Climatic conditions for test: +23°C, 50% → 94% RH
Water tightness	<b>Watertight</b>
Crack bridging ability	<b>Not relevant</b>
Bond Strength	Litex Membrane Board in connection with Weber Rex Fix as tile adhesive <b>Assessment category 2:</b> Bond strength $\geq 0,3$ MPa  Litex Membrane Board in connection with Locktite 496 hurtiglim (quick glue) <b>Assessment category 3:</b> Bond strength $\geq 0,5$ MPa  Litex Membrane Board in connection with Weber Rex Fix adhesive <b>Assessment category 2:</b> Bond strength $\geq 0,3$ MPa
Scratching resistance	<b>Not relevant</b>
Joint bridging ability	<b>Not relevant</b>
Impermeability at sealings	<b>Joints are watertight</b>
Dimensional stability	<b>No performance assessed</b>
Water tightness around penetrations	<b>Watertight</b>
Resistance to temperature	<b>Bending strength with a deflection of 6 mm:</b> <b>1177 kPa</b>  The deviation of the Litex 30mm membrane board shows that the deflection after heat exposure is + 9,2%

Characteristic	Assessment of characteristic
Resistance to mechanical wear	No performance assessed
Resistance to alkalinity	Assessment category 2: Bond strength $\geq 0,3$ MPa
<b>3.4 Safety in use (BWR 4)</b>	
Slipperiness	No performance assessed
Cleanability	No performance assessed
Thickness	The thickness of the LITEX Membrane Board is 13, 20, 30 and 50mm

\*) 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 characteristic values of the LITEX Membrane Board watertight covering kit are based on the EAD 030437-00-0503 Watertight covering kits based on inherently watertight boards 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.

LITEX Membrane Board watertight covering kit are 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 Assessment 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 (see Annex V to Regulation (EU) No 305/2011) is 2+.

There is no declared fire performance, and hence the Decision 2003/655/EC of the European Commission regarding reaction to fire is not relevant.

#### **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