



ETA-Danmark A/S
Göteborg Plads 1
DK-2150 Nordhavn
Tel. +45 72 24 59 00
Fax +45 72 24 59 04
Internet 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-17/0989 of 2024/02/29

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:

SkamoWall Board, SkamoWall Bore and SkamoWall Wedge

Product family to which the above construction product belongs:

Mineral thermal insulation board

Manufacturer:

Skamol A/S
Hasselager Centervej 1
DK-8260 Viby
Tel: +45 97 72 15 33
Fax: +45 97 72 49 75
www.skamol.com

Manufacturing plant:

Skamol A/S manufacturing plants – held on file by
ETA-Danmark A/S

This European Technical Assessment contains:

7 pages including 1 annex which is an integral part of
this ETA

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

EAD 040012-00-1201; Thermal insulation board
made of mineral material

This version replaces:

The ETA with the same number issued on 2023-06-06. Corrigenda

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.

II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

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.

1 Technical description of the product and intended use

Technical description of the product

The SkamoWall Board, SkamoWall Bore and SkamoWall Wedge are mineral thermal insulation boards made of calcium silicate. The insulation board has an organic content of more than 1%.

The surface of the thermal insulation boards can be provided in the factory with a priming coat with a PCS $\leq 2,0$ MJ/kg.

Details of the composition and manufacturing process are deposited with ETA-Danmark A/S.

Dimensions and density

See annex A for the dimensions of the boards.

The boards have a density of $225 \text{ kg/m}^3 \pm 10\%$

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

The insulation board is used for the thermal insulation of walls and ceilings.

SkamoWall Board is intended to be used as an insulation product for the thermal insulation of walls and ceilings.

SkamoWall Bore is intended to be used as an insulation product for interior insulation of door and window jambs

SkamoWall Wedge is intended to be used as an insulation product for interior insulation of the joints between ceiling and walls which reduces the thermal bridges in the corner area

The insulation board can be glued to the substructure and can be plastered, coated or painted. Fixing with suitable anchors is possible

The provisions made in this European Technical Assessment are based on an assumed intended working life of the boards of 50 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or

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

The SkamoWall Board, SkamoWall Bore and SkamoWall Wedge – primed as well as unprimed are classified as **Euroclass A1** in accordance with EN 13501-1 and Commission Delegated Regulation 2016/364.

The factory applied primer shall have a PCS $\leq 2,0$ MJ/kg

3.3 Hygiene, health and the environment (BWR3)

Influence on air quality

No Performance assessed

Water vapour transmission

$\mu = 3,0$ in accordance with EN 12086:2013

3.6 Energy economy and heat retention (BWR6)

Thermal conductivity

The measurements have been carried out in accordance with EN 12667: 2001, and the category for declaring the performance is Category 1 according to EN ISO 10456: 2007

$\lambda_{(10,dry,limit)}$ [W·m-1·K-1]	0,068
$\lambda_{(23,50)}$ [W·m-1·K-1]	0,068
$u_{23,50}$ [kg/kg]	0,014
$u_{23,80}$ [kg/kg]	0,029
$f_{u,1}$	1,26
$f_{u,2}$	2,39
F_{m1}	1,02
F_{m2}	1,04

Dimensions/geometry

Thickness in accordance with EN 823: $\pm 1,5$ mm

Length and width in accordance with EN 822:

- dimensions < 600 mm: $\pm 2,0$ mm
- dimensions ≥ 600 mm: $\pm 2,5$ mm

Squareness in accordance with EN 824:

Length and width: $S_b \leq 3$ mm/m

Thickness: $S_d \leq 2$ mm

Flatness in accordance with EN 825:

$S_{max} \leq 2$ mm

Water absorption

No performance assessed

Density

The density of the board in accordance with EN 1602: **225 kg/m³ \pm 10%**

Characteristic	Assessment of characteristic
Bending strength	No performance assessed
Compressive strength	Compressive strength in accordance with EN 826: CCS \geq 1500 KPa
Dimensional stability after 48 h storage at (70 \pm 2) °C	Dimensional stability under specified temperatures in accordance with EN 1604: Relative change of dimensions in length $\Delta\epsilon_l \leq 0,5\%$ Relative change of dimensions in width $\Delta\epsilon_b \leq 0,5\%$ Relative change of dimensions in thickness $\Delta\epsilon_d \leq 1\%$
Dimensional stability after 48 h storage at (23 \pm 2) °C and (90 \pm 5) % RH	Relative change of dimensions in length $\Delta\epsilon_l \leq 0,5\%$ Relative change of dimensions in width $\Delta\epsilon_b \leq 0,5\%$ Relative change of dimensions in thickness $\Delta\epsilon_d \leq 1\%$
Tensile strength perpendicular to faces	No performance assessed
Behaviour under point load	No performance assessed
Porosity	Porosity in accordance with EN 993-1: 91 %

4 Attestation and verification of constancy of performance (AVCP)

4.1 AVCP system

According to the decision 1999/91/EC of the European Commission¹, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 1, due to the organic content exceeding 1 %

5 Technical details necessary for the implementation of the AVCP system, as foreseen 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 2024-02-29 by

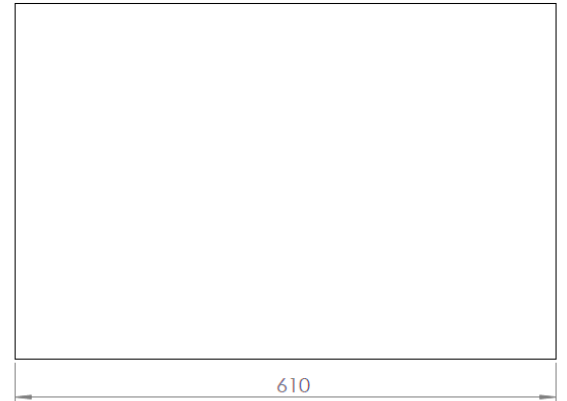
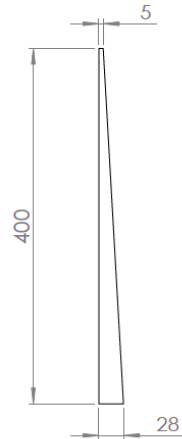
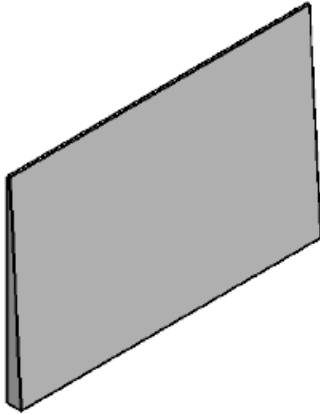


Thomas Bruun
Managing Director, ETA-Danmark

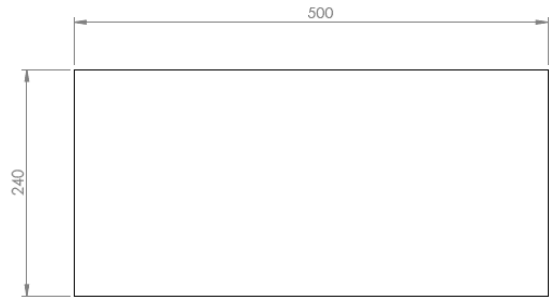
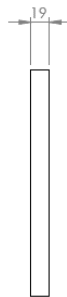
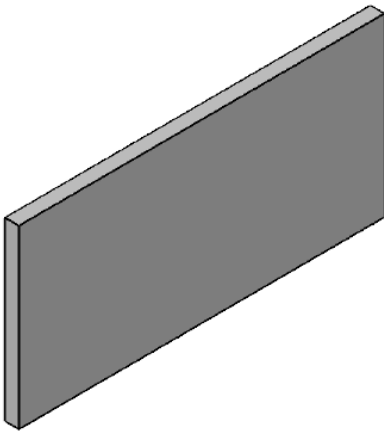
Annex A
Dimensions of the boards

SkamoWall Board
Length 300-2440 mm
Width 150-1220 mm
Thickness 5-100 mm

SkamoWall Wedge



SkamoWall Bore



Dimensions in millimeters

The dimensions of Skamowall Wedge and SkamoWall Bore can vary in the limits specified for SkamoWall Board.