

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

SQ Board

Description of Product

This is an assessment of a Chloride Free Magnesium Oxide Board which can be used internally or externally for use as sheathing, fire protection, to provide part of the sound resistance in a structure or to be used as a substrate onto which render can be applied. The Board is CE marked.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health, hygiene and environmental
- Safety in Use

Validity

This certificate was first issued on 10th July 2018 and is valid until 10th July 2019

Issue Dated 10th July 2018

Scope of Registration

This covers the board itself and does not cover items such as the supporting structure or the fixings used or coverings added to the board. The client's website provides details of products recommended for use with Screwquick Board.

The product has been tested for Breathability and meets CWCT Breathability Class A4 (Centre for Window and Cladding Technology).

For Scotland purposes:

SQ Board has design criteria for specific user applications and offers a complimenting range of fixings and consumable all designed to enhance the performance of SQ Board, all of which must be assessed in the context of their application on project specific cases.

SQ Board is a multi-purpose use product. It is A1 non-combustible and can be used for sheathing, fire protecting and acoustic applications. The product can be used internally and externally and in architectural applications. The board has multiple uses, as a render carrier board, an acoustic board and an A1 non-combustible fire board. The product is moisture resistant and has anti mould/fungal properties.

Conditions of Certificate

The product is claimed to be breathable and it would appear likely this could be the case but at present no evidence has been provided to substantiate this claim.

The board can be used as part of the sound resistant structure or thermal envelope but would need to be checked as a whole structure in order to show compliance with the Building Regulations.

For Scotland purposes:

Subject to engineer design, the SQ Board can be used at any level within a structure.



LABC and LABSS consider that, SQ Board will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;

The Building Regulations 2010 (as amended) England & Wales

AD A	Structure
Note:	The product is acceptable subject to being a part of the structural design.
AD B	Fire safety
Note:	The product is acceptable.
AD C	Site preparation and resistance to contaminants and moisture
Note:	The product is acceptable.
AD E	Resistance to the passage of sound
Note:	The product is acceptable subject to being a part of the Acoustic Design.
AD L	Conservation of fuel and power
Note:	The product is acceptable subject to being a part of the Thermal Design.



The Building Regulations 2010 (as amended) England

AD L	Conservation of fuel and power
Note:	The thermal performance of this system should be considered in the context of the contribution made to the overall performance of the roof structure.



The Building Regulations 2010 (as amended) Wales

AD L	Conservation of fuel and power
Note:	The thermal performance of this system should be considered in the context of the contribution made to the overall performance of the roof structure.



The Building (Scotland) Regulations 2004 (as amended)

Regulation 8	Durability, workmanship and fitness of materials
0.8.5:	Ways of establishing the fitness of materials
Note:	Installation should be in accordance with the manufacturer's recommendations and guidance.
Regulation 9	Building Standards applicable to construction
Note:	Construction shall be carried out so that the work complies with the applicable requirements of schedule 5.

Mandatory

Standard 1.0: Structure

1.1 Loading

Note: The product will contribute to the structural stability of the building, subject to a structural assessment.

Mandatory

Standard 2.0: Fire

2.1 Compartmentation

2.2 Separation

2.6 Spread to neighbouring walls

2.7 Spread on external walls

Annex 2.B Reaction to fire

Note: The product provides a reaction to fire classification: A1 as tested and will contribute to compliance with the above standards within section 2.0: Fire.

Mandatory

Standard 3.10: Precipitation

Note: The product will contribute to compliance with this standard.

Mandatory

Standard 5.1: Noise separation

Note: The product will contribute as part of a system to compliance with the above standards.

Mandatory

Standard 5.2: Noise reduction between rooms

Note: The product will contribute as part of a system to compliance with the above standards.

Mandatory

Standard 6.2: Building insulation envelope

Note: The product will contribute as part of a system with stated values of thermal resistance/ conductivity.

Non-Regulatory Information



LABC Warranty

Pending assessment

Supporting Documentation

Intertek Test Report No 170323003SHF-BP-3 issue date 24/4/2017 To ASTM D1037-12 Nail Head Pull Through

Evolution Fasteners Report No R000351 issued 13/9/2017 To EN/14566 2008&A1:2009 Withdrawal Resistance and Pull Through Resistance

Evolution Fasteners Report No R000366 issued 1/12/2017 To EN/14566 2008&A1:2009 Withdrawal Resistance.

Zus Test Report No 060-042719 issued 25/2/2016 To EN 12467:2012 Thickness, Density, Bending Strength and Bending Modulus

Chemfix Technical Report No TR17040MB issued 22/9/2017 Metofix 31 Adhesion to SQ Magnesium Board

Zus Test Report No 060-043106 issued on 12/5/2016 Water Absorption / Drying

Intertek Test Report No 170323003SHF-BP-4 issued on 24/4/2017 To ASTM C1185-08 (2016) Flexural Strength

Intertek Test Report No 170323003SHF-BP-6 issued 24/4/2017 To ASTM C666-15 Procedure B Freeze Thaw Testing

Intertek Test Report No 170323003SHF-BP-5 issued 24/4/2017 To ASTM C1185-08(2016) Moisture Movement

Zus Test Report No 060-042740 issued 1/3/2015 To ETAG 016:2013, part1, C3 Tensile Strength Test

Zus Test Report No 060-042804 issued 16/3/2016 To EN 12467:2012 Durability against Heat and Rain

Pavus Test Report No Pr-16-1.069-En issued on 6/4/2016 To EN ISO 1182 and EN 13238:2010 Non Combustibility Test

Pavus Classification Report No PK1-01-16-019-E-0 issued on 6/4/2016 using tests to EN ISO 1716 and EN ISO 1182 and classification to EN 13501-1+A1:2010 Reaction To Fire Classification

Pavus Test Report No Pr-16-1.068-En issued on 6/4/2016 to EN ISO 1716 Reaction to Fire

Dubai Central Laboratory Project No PS15-0045 issued 23/3/2015 To ASTM C 177.10 Guarded Hot Plate Test Measuring Steady-State Heat Flux and Thermal Transmission.

TZU Test Report AZL 16/0222-03 Issued 20/5/2016 to CSN 72 4310 Resistance to Fungal Growth

Al-Futtaim Exova Report No DLR1158 Rev 0 dated 22/3/2015 to BS EN ISO 140-3, BS EN ISO 354 and Classified to BS EN ISO 717-1 Acoustic performance Tests

Siga Letter dated 17/11/2017 re Application of Sealant Tapes to Screwquick board

Test Report from Parex dated 10/1/2018 re bond Strength Analysis of Parex Maite render to Screwquick board

Memo from K Rend (render) dated 25/9/2017 re use of Screwquick Board as a substrate for HP12 & HPX Base

VINCI Technology Centre UK Limited Certificate of Test No 26972 Dated 17th August 2018

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