HORMIGÓN International

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Trackwall® Technical FAQ

Version 1.4

Is Trackwall® Fire Rated or Heat Resistant?

Our Fibre Cement Board was tested and classified in accordance with EN ISO 1182:2010, EN ISO 1716:2010 and EN 13501-1:2007+A1:2009 by an EN ISO/IEC 17025:2005 accredited testing laboratory. The Fibre Cement Board Fulfils the requirements of the reaction to fire classification A1 of EN 13501-1 :2007+A1 :2009

Is Trackwall Water Resistant?

Resistant to water (According to TS EN 12467) Can be used with confidence in both humid and cold areas.

What is the Thermal Conductivity Coefficient Value & Density?

0,2166 W/mK (10°C dry) / Min 1200 kg/m³ (1,2 g/cm³)

What are the benefits of using Trackwall®?

Design flexibility, Ease of construction, Improved quality of appearance, Reduction in build programme, Less reliance on good weather, Elimination of scaffolding & Reduced impact on the environment*

If I need to how do I cut the Panel?

We offer a cut to size service for your Panels, however, should you need to cut the panel an Angle Grinder or Jigsaw will be more than sufficient to cut the panel. Please always use correct PPE when cutting the panel.

What sizes does Trackwall come in?

We can offer Trackwall in any size or shape as a bespoke cutting service. Our standard sizes are: 2396mm x 1125mm or 1190mm x 1125mm with a 68mm Track **Track sizes can be altered to accommodate any Metric or Imperial Brick Slip size**

How do I fix Trackwall®?

Our Guideline for the panels will require a secondary mechanical fixing. We recommend that all Insulation Disc fixings are made from stainless steel along with the screws or bolts (environment dependable) We will need full system design prior to install – Please contact us or your retailer directly for further information. **

What systems can be Trackwall® be used with?

Trackwall® is commonly used with systems such as Timber Frame, ICF, Façade Systems and most MMC methods. However please contact your retailer with your project details +

Can Trackwall® be used Externally or Internally?

Trackwall can be used in both External and Internal applications from rendering your building face to creating your dream feature wall internally!

What is the Warranty with Trackwall®?

Trackwall® Must be stored and installed correctly please refer to technical guide specifications for warranty information.

**Using brick cladding can reduce the impact on the environment due to its use of brick slips, which are typically 20% of bricks. Thinner pieces of clay require less material and embodied energy to produce them, as well as less (or an elimination of) cement due to a reduced mortar depth.*

Hormigon International will advise on Fixings & Screws but are not liable for incorrect installation and this should be completed or overseen by a qualified installer

Trackwall® Technical Continued….

Fire Resistance:	The Fibre Cement Board Fulfils the requirements of the reaction to fire classification A1 of EN 13501-1 :2007+A1 :2009
Board dimensions:	Trackwall is available in any size or shape as a bespoke cutting service. Our standard sizes are: 2396mm x 1125mm 1190mm x 1125mm

Track sizes can be altered to accommodate any Metric or Imperial Brick Slip size

Panel Thickness:	12mm
Minimum Dry Weight Per Panel:	2396 x 1125mm 36.2Kg / 1190 x 1125mm 18.1 Kg
Tolerance in Length:	± 5 mm (TS EN 12467)
Tolerance in Width:	± 3,75 mm (TS EN 12467)
Tolerance in Thickness:	± %10 t (t: board thickness)
Deviation in Perpendicular on Edges:	≤ ± 2mm/m (TS EN 12467)
Deviation in Straightness on Edges:	≤ 0,1 % x edge length
Surface Appearance:	Untextured, Grooved.
Dry Apparent Density:	min 1200 kg/m³ (1,2 g/cm³)
Bending Strength:	≥ 7 N/mm²
Compressive Strength:	>35 MPa (After 24 hours of conditioning in 20 + 2 °C water) >40MPa (After 7 days of conditioning in laboratory)
Frost Resistance:	Resistant to frost according to TS EN 12467
Water Resistance:	Resistant to water (According t to TS EN 12467)
pH Value:	10,5 -12
Formaldehyde Emission:	It does not contain any Formaldehyde adhesive
Coefficient of Thermal Conductivity:	λ = 0,2166 W/mK (TS EN 12667)

Trackwall® Technical Continued….

Thermal Resistance:	55,401 x 10-3 m2K/W (TS EN 12667)
Coefficient of Thermal Expansion:	0,00493 mm/mK (DIN 51045)
Modulus of Elasticity:	≥ 4000 N/mm2 Average of the values parallel and perpendicular to the direction of production in ambient laboratory conditions
Water Absorption:	2 hours, by weight <15% (Of a board in ambient laboratory conditions)
Porosity:	< 30% (Of a board in ambient laboratory conditions)
Water Vapour Permeation Resistance:	μ= 13,31 (TS EN ISO 12572)
Mean Water Vapour Resistance Value:	0,187 m²hPa/mg (TS EN 12086)
Moisture Movement 30-90% Relative Humidity:	0.05%
Increase in Thickness:	< 1 % (After 24 hours in water)
Hot Water Effect:	It is resistant to hot water according to TS EN 12467
Soaking – Drying:	It is resistant to soaking and drying according to TS EN 12467

Lucideon Test No. UK213654 - Trackwall Brick Slip Cladding System

Test	Method	Requirement	Summary of Results
Hygrothermal Behaviour	EAD 090019-00-0404 – Annex D EAD 090062-00-0404 – Annex M	No cracking, blistering, peeling or delamination	No Defects
Freeze/Thaw	EAD 090019-00-0404 – Annex E EAD 090062-00-0404 – Annex M	No cracking, blistering, peeling or delamination	No Defects
Bond Strength – Wall	EAD 090019-00-0404 – Cl. 2.2.8	≥ 0.08 N/mm2 or cohesive failure of insulation*	0.47 N/mm2
Impact Resistance – Wall	EAD 090019-00-0404 – Annex C EAD 090062-00-0404 – Annex G	Hard body Category I, II, III or IV	Category I
	EAD 090019-00-0404 – Annex C EAD 090062-00-0404 – Annex G	Soft body Category I, II, III or IV	Category I

* Requirements taken from EAD 090019-00-0404 – Cl. 2.2.8.