

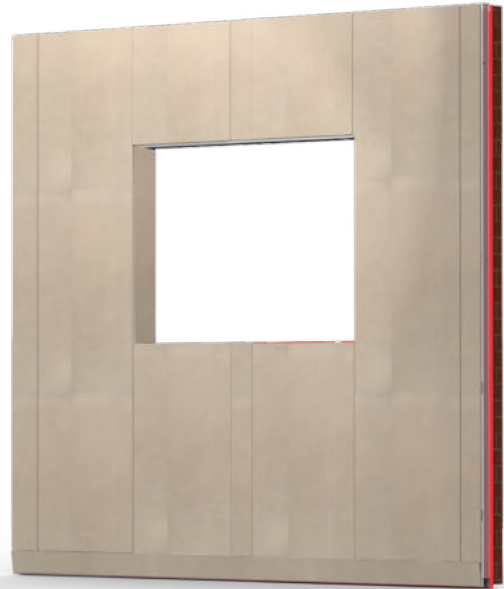
Comfort Frame Premium System Technical Data Sheet

Internal Wall Insulation Systems by Comfort Frame.

Bespoke modular solutions to improve the thermal efficiency of poorly performing residential and non-residential buildings.

Our Fabric First Internal Wall Insulation provides a 'Comfort Frame' that minimises heat loss during cold weather and reduces heat gain during warmer months. This unique innovation keeps homes warm, reduces energy consumption, and future proofs against the risk of damp, mould & condensation.

With a typical elevation taking just one day to install, Comfort Frame is non-invasive for tenants therefore no need to decant whilst works progress which offers significant time and cost benefits as a scalable energy efficiency measure.



Benefits

Thermally efficient

Insulated panels minimise heat loss and reduce energy consumption.

High airtightness performance

IWI systems can improve airtightness and can reduce air changes per hour to as low as 3 ACH.

Moisture control

Mitigates risk of surface and interstitial condensation.

Non invasive

Modular systems arrive on site cut to size, minimising disruption to tenants.

Prefinished

Removing the need for following wet trades.

Robust & durable

Tested with multiple fixings and loads therefore no need for secondary supports.

MMC

Quality of offsite manufacture – with approved installation teams, removes the risk of build defects.

Certified

The only fully certified end - end Internal Wall Insulation Systems available.

System Guarantee

IWI systems are provided with a 25 year backed guarantee.



Kiwa BAW-21-222-S-A-UK



25 Year Guarantee



License No: 3273330



NBS Partner Platform



Performance Information Tables

Premium System

Max System Height(mm)	3000
Panel Widths (mm)	144, 195, 294, 398, 597
Panel Depth (mm)	70
Reaction to fire	B-s1,d0
Thermal Resistance (W/m ² K)	0.34
Duty Rating	Medium
Hardness (N/mm ²)	35
Vertical Construction Tolerance	83mm
Horizontal Construction Tolerance	150mm

Fixing information

A series of fixings have been tested into IWI panels to provide guidance on installing fittings and fixtures.

Fixings have been tested in accordance with BS EN 5234-2. Any loads or fixings which fall outside of these tested parameters should be independently assessed by a competent person.

Fixing Performance	Loading Capacity (KG)					
	When assessed against BS-EN 5234-2 Annex H		When assessed against BS-EN 5234-2 Annex J		When assessed against BS-EN 5234-2 Annex J	
Product Fixing and Size	MWL	SWL	MWL	SWL	MWL	SWL
Fischer Duo Power 8x40	123	30	209	52	407	101
Timco Stella M5x55	90	22	210	52	385	96
T Bolt Mounting Kit M5x30 Screw	93	30	210	70	408	136
Bullfix Universal Fixings	88	12	207	29	400	30

Installation

Installation shall be by an Approved Installer, trained and approved by Comfort Frame only.

Test Standards

BS EN ISO 11925-2, BS EN 5234-2 Annex E, BS EN 13501-1, BS EN 5234-2 Annex H, BS EN 13823, BS EN 5234-2 Annex J, BS EN 5234-2 Annex D, BS EN 5234-2 Annex L