



INNERSPACE

CHESHIRE

WOOD WOOL

WOOLLYWALL

O & M

SPECIFICATION

Introduction

Innerspace Cheshire WOOLLYWALL panels are manufactured from wood wool and cement and are finished with Little Greene paint in a variety of shapes, sizes, and panel designs.

The panels are sustainable and combine good fire resistance, good acoustic properties, and heat insulation properties.

Specification

Thickness	15mm Standard	25mm Standard	35mm On Request	50mm On Request
Weight Kg / Sq. m	7	10.5	14.5	19.5
Thermal Resistance (Ro) Sq. m K/W	0.2	0.35	0.5	0.75
Thermal Conductivity (λ D) W/m-K	0.066			
Bend (EN 12089) kPa	\geq 1,700	\geq 1,300	\geq 1,000	\geq 700
Compression (EN 826) kPa	\geq 300	\geq 300	\geq 200	\geq 200
Chloride Content (EN 13168) %	\leq 0.06 Class C13			
Reaction to Fire (EN13501-1 2007)	B-S1, d0			

Acoustic Performance in different installation methods

Fixing Method	Overall Thickness	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	Absorption Coefficient	Absorption Class
15mm Woollywall Direct to Wall or Ceiling	15mm	0.05	0.05	0.3	0.45	0.75	0.55	0.3	D
15mm Woollywall with 50mm Airgap	65mm	0.1	0.2	0.5	0.65	0.55	0.65	0.50	D
15mm Woollywall with 50mm Mineral Wool	65mm	0.3	0.65	1.0	0.85	0.75	0.8	0.85	B
25mm Woollywall Direct to Wall or Ceiling	25mm	0.05	0.1	0.3	0.45	0.75	0.55	0.3	D
25mm Woollywall with 50mm Airgap	75mm	0.1	0.25	0.55	0.65	0.55	0.65	0.50	D
25mm Woollywall with 50mm Mineral Wool	75mm	0.35	0.70	1.0	0.95	0.85	0.95	0.90	A

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15mm Woollywall with 50mm Airgap	65mm	0.1	0.2	0.5	0.65	0.55	0.65	0.50	D
15mm Woollywall with 50mm Mineral Wool	65mm	0.3	0.65	1.0	0.85	0.75	0.8	0.85	B
25mm Woollywall Direct to Wall or Ceiling	25mm	0.05	0.1	0.3	0.45	0.75	0.55	0.3	D
25mm Woollywall with 50mm Airgap	75mm	0.1	0.25	0.55	0.65	0.55	0.65	0.50	D
25mm Woollywall with 50mm Mineral Wool	75mm	0.35	0.70	1.0	0.95	0.85	0.95	0.90	A

Colours

We have chosen to work with Little Greene as our paint supplier. Little Greene's sustainability credentials and animal friendly composition make them an ideal partner.

The following colours are available as standard. All their colours are available on request.

Book Room Green	322
Cape Red	279
Citrine	071
Clay - mid	153
Dock Blue	252
Green Stone - Light	269
Grey Teal	226
Heat	024
Hick's Blue	208
Inox	224
Jack Black	119
James	108
Juniper Ash	115
Lamp Black	228
Light Gold	053
Loft White	222
Mister David	047
Olive Colour	072
Orange Aurora	021
Pale Wedgewood	249
Rolling Fog - Dark	160

INSTALLATION

Installation

Innerspace Cheshire WOOLLYWALL panels are easy to install.

Take care handling the panels because the surface paint finish can chip and expose the natural colour underneath. If there is minor damage to the paint finish it can be touched up on site.

Cutting can be done with a circular saw or handsaw, or a jigsaw for curves, but exposed cut edges will need touching up.

Let the panels condition on site before installation.

For wall installations we recommend that the shapes or panels are glued in place.

For ceiling installations, we recommend a screw fix to give a mechanical fixing.

For installations requiring an air gap or mineral wool filled gap larger panels should be used and should be screw fixed to battens that provide the gap between the Woollywall and the wall or ceiling.

All installations

Setting out is important, especially with smaller shapes where if the pattern runs out in the first rows the effect can be magnified as the wall or ceiling installation continues.

Use a laser level or level a batten part way up the wall to start things level.

It is a good idea to get the first row and first column of panels good and level so that you have a great start for the full wall.

Glued installation (walls)

Use a silicone type adhesive like No More Nails. Alternatively, hot melt adhesive also works well.

Make sure that the surface of the wall is sound and dry so that a good bond is achieved between the product and the wall.

Apply the adhesive in a wiggle on the back of the shapes or panels to make sure that you have good coverage.

Screw installation (ceilings or any installation where battens are required to create an air gap or a gap for mineral wool)

Don't use an impact driver as there is a risk of driving the screws too far into the material. Use a 40mm screw and don't go too close to the edge of the shapes or panels.

Screw so that the head of the screw is flush with the Woollywall surface and dot it in with paint to make sure that the screw head blends in. Panels need 6 screws, smaller shapes as little as 1 or 2.

MAINTENANCE

Maintenance

Innerspace Cheshire WOOLLYWALL panels are easy to look after.

Cleaning

Dust and debris can be removed with light dusting – you can use a vacuum cleaner, but make sure that you use the brush attachment to avoid damaging the material.

Repair

If the material is scraped or damaged it can be touched up, but more serious damage might require a new panel to be inserted.

SUSTAINABILITY

Sustainability

Innerspace Cheshire WOOLLYWALL panels are made of wood wool which is sourced from a PEFC accredited forest, water, cement and paint which is sourced from The Little Green Paint Company.

End of Life

WOOLLYWALL panels can be removed and reused at the end of their life.

Used panels can be recut and repainted back at our factory.

Badly damaged panels can be ground down and recycled and even used as a soil conditioner.

We'd love to hear from you...

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