

Product overview





Isover Spacesaver

A glass mineral wool roll providing thermal insulation for domestic loft floors.

- ✓ Enables U-values down to 0.14 W/m²K with 300mm of insulation
- ✓ Rolls are pre-perforated at 3x386mm and 2x580mm to fit between any joist spacing
- ✓ Rolls compression fit between joists with no need for additional fixings

Product Features

Thermal insulation

Thermal conductivity of 0.043 W/mK. Helps to meet the requirements of Approved Document L 2010 (England & Wales) and Section 6 (Scotland)

Easy to install

Isover Spacesaver is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Roll area (m ²)
Spacesaver	100	0.043	2.33	1160	9170	10.64
Spacesaver	150	0.043	3.49	1160	6030	6.99
Spacesaver	170	0.043	3.95	1160	5390	6.25
Spacesaver	200	0.043	4.65	1160	3880	4.50

Isover Spacesaver Plus

A glass mineral wool roll providing increased thermal insulation for domestic loft floors.

- ✓ Enables U-values down to 0.10 W/m²K with 400mm of insulation
- ✓ Rolls are pre-perforated at 3x386mm and 2x580mm to fit between any joist spacing
- ✓ Rolls compression fit between joists with no need for additional fixings



Product Features

Thermal insulation

High thermal conductivity of 0.040 W/mK. Helps to meet the requirements of Approved Document L 2010 (England & Wales) and Section 6 (Scotland)

Easy to install

Isover Spacesaver Plus is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Roll area (m ²)
Spacesaver Plus	100	0.040	2.50	1160	7000	8.12
Spacesaver Plus	150	0.040	3.75	1160	4670	5.42
Spacesaver Plus	200	0.040	5.00	1160	3500	4.06



Isover Spacesaver Ready-Cut

A glass mineral wool roll providing thermal insulation for domestic loft floors.

- ✓ Enables U-values down to 0.14 W/m²K with 300mm of insulation
- ✓ Rolls are ready-cut within 600mm and 400mm joist spacing
- ✓ Rolls compression fit between joists with no need for additional fixings

Product Features

Thermal insulation

Thermal conductivity of 0.043 W/mK. Helps to meet the requirements of Approved Document L 2010 (England & Wales) and Section 6 (Scotland)

Easy to install

Isover Spacesaver Ready-Cut is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable points for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Roll area (m ²)
Spacesaver Ready-Cut	100	0.043	2.33	3 x 386	9170	10.62
Spacesaver Ready-Cut	100	0.043	2.33	2 x 580	9170	10.64
Spacesaver Ready-Cut	150	0.043	3.49	3 x 386	6030	6.98
Spacesaver Ready-Cut	150	0.043	3.49	2 x 580	6030	6.99
Spacesaver Ready-Cut	200	0.043	4.65	3 x 386	3880	4.49
Spacesaver Ready-Cut	200	0.043	4.65	2 x 580	3880	4.50

Isover RD35

A glass mineral wool slab designed for use in E-WM-8, E-WM-14 and E-WM-15 Robust Detail wall constructions to meet Approved Document E (England and Wales) and Section 5 (Scotland).

- ✓ Ensures compliance with Approved Document E 2003 (England & Wales) without the need for on-site sound testing
- ✓ Removes the need for a wet plaster or parge coating resulting in significant time and cost savings
- ✓ Provides the opportunity to gain 3 credits towards The Code for Sustainable Homes



Product Features

Easy to install

- Compatible with conventional wall tie spacing ensuring ease of installation
- Isover RD35 insulation is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible, fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Width (mm)	Length (mm)	Batts per pack	Pack area (m ²)
RD35	35	455	1200	16	8.80



Isover RD Party Wall Roll

A glass mineral wool roll designed for use in E-WM-17, E-WM-20 and E-WM-24 Robust Detail constructions to meet Approved Document E (England and Wales) and Section 5 (Scotland).

- ✓ Thermal bypass solution - meets the full requirement to deliver zero U-value for party walls as defined in Building Regulations (Approved Document L1A, Table 3)
- ✓ Delivers maximum 3 credits under Code for Sustainable Home 'Health & Wellbeing' Issue EH2-Sound Insulation
- ✓ E-WM-17, E-WM-20 and E-WM-24 are dry-finish solutions with no requirement for render or parge-coating prior to drylining
- ✓ No requirements for PCT (Pre-Completion Testing)



Product Features

Easy to install

- Proven practical site solutions delivering thermal and acoustic performance
- Assured quality of installation - roll format ensures minimal or no vertical joints
- Isover RD Party Wall Roll insulation is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible, fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Isover CWS 36

A glass mineral wool full-fill cavity slab providing thermal performance in masonry cavity walls to meet Approved Document L (England and Wales).

- ✓ BBA approved for use in masonry walls (England & Wales) Approved for use in severe exposure zones and in buildings up to and including 25 meters in height (Certification No: 90/2465)
- ✓ Enables U-values as low as 0.25 W/m²K within a 300mm wall width
- ✓ Full fill solution helps minimise flanking sound transmission along the wall cavity and removes the requirement for cavity fire barriers



Product Features

Thermal insulation

Thermal conductivity of 0.036 W/mK. Helps to meet the requirements of Approved Document L 2010 (England & Wales)

Euroclass A1 fire rating

Totally non-combustible and fire safe

Easy to install

- The 455mm wide slabs are compatible with conventional wall tie spacing ensuring ease of installation
- Isover CWS 36 insulation is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Batts per pack	Pack area (m ²)
CWS 36	50	0.036	1.39	455	1200	20	10.92
CWS 36	65	0.036	1.81	455	1200	16	8.74
CWS 36	75	0.036	2.08	455	1200	16	8.74
CWS 36	85	0.036	2.36	455	1200	12	6.55
CWS 36	100	0.036	3.78	455	1200	12	6.55
CWS 36	125	0.036	3.47	455	1200	8	4.37
CWS 36	150	0.036	4.17	455	1200	6	3.28



Isover CWS 32

A higher performing glass mineral wool full-fill cavity slab providing excellent thermal performance in masonry walls to meet or exceed the requirements of Approved Document L (England and Wales).

- ✓ BBA approved for use in masonry walls (England & Wales) Approved for use in severe exposure zones and in buildings up to and including 25 meters in height (Certification No: 90/2465)
- ✓ Enables U-values as low as 0.17 W/m²K in a single thickness of insulation
- ✓ Full fill solution helps minimise flanking sound transmission along the wall cavity and removes the requirement for cavity fire barriers

Product Features

Thermal insulation

Excellent thermal conductivity of 0.032 W/mK. Helps to meet and exceed the requirements of Approved Document L 2010 (England & Wales)

Easy to install

- The 455mm wide slabs are compatible with conventional wall tie spacing ensuring ease of installation
- Isover CWS 32 insulation is manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Batts per pack	Pack area (m ²)
CWS 32	50	0.032	1.56	455	1200	14	7.64
CWS 32	65	0.032	2.03	455	1200	12	6.55
CWS 32	75	0.032	2.34	455	1200	10	5.46
CWS 32	85	0.032	2.66	455	1200	8	4.37
CWS 32	100	0.032	3.13	455	1200	6	3.28
CWS 32	125	0.032	3.91	455	1200	5	2.73
CWS 32	150	0.032	4.69	455	1200	4	2.18

Isover Timber Frame Batts

A glass mineral wool batt providing thermal and acoustic insulation for timber walls and roofs to help meet Approved Document L (England and Wales) and Section 6 (Scotland).

- ✓ Excellent thermal performance with a thermal conductivity of 0.032 to 0.043 W/mK within the range. Helps to meet the requirements of Approved Document L 2010 (England & Wales) and Section 6 (Scotland)
- ✓ Push fits between 600mm timber stud centres with no need for additional fixings
- ✓ Two batts end-to-end typically fit standard storey height

Product Features

Easy to install

Isover Timber Frame Batts are manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Batts per Pack	Pack area (m ²)
Timber Frame Batt 32	50	0.032	1.56	570	1175	9	6.03
Timber Frame Batt 32	90	0.032	2.81	570	1175	5	3.35
Timber Frame Batt 32	140	0.032	4.38	570	1175	5	3.35
Timber Frame Batt 35	90	0.035	2.57	570	1175	10	6.70
Timber Frame Batt 35	100	0.035	2.86	570	1175	8	5.36
Timber Frame Batt 35	140	0.035	4.00	570	1175	6	4.02
Timber Frame Batt 35	150	0.035	4.29	570	1175	6	4.02
Timber Frame Batt 40	90	0.040	2.25	570	1175	14	9.38
Timber Frame Batt 40	140	0.040	3.50	570	1175	8	5.36
Timber Frame Batt 43	90	0.043	2.09	570	1175	12	8.04
Timber Frame Batt 43	140	0.043	3.26	570	1175	8	5.36





Isover Timber Frame Rolls

A glass mineral wool roll providing thermal and acoustic insulation for timber walls to help meet Approved Document L (England and Wales) and Section 6 (Scotland).

- ✓ Excellent thermal performance with a thermal conductivity of 0.035 to 0.040 W/mK within the range. Helps to meet the requirements of Approved Document L 2010 (England & Wales) and Section 6 (Scotland)
- ✓ Push fits between 600mm timber stud centres with no need for additional fixings

Product Features

Easy to install

Isover Timber Frame Rolls are manufactured from high quality glass mineral wool which makes it lightweight and easy to handle, cut and install

Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation

Euroclass A1 fire rating

Totally non-combustible and fire safe

Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Roll area (m ²)
Timber Frame Roll 35	90	0.035	2.57	2 x 570	5300	6.04
Timber Frame Roll 35	140	0.035	4.00	2 x 570	4000	4.56
Timber Frame Roll 40	90	0.040	2.25	2 x 570	10130	11.55
Timber Frame Roll 40	140	0.040	3.50	2 x 570	6500	7.41

Isover Timber Party Wall Roll

A glass mineral wool roll providing thermal insulation for separating timber frame walls.



- ✓ Supplied in a 50mm, 75mm and 100mm thickness to cover all common cavity widths
- ✓ The strong, resilient and flexible rolls are 1200mm and unsplit for fast coverage of large areas
- ✓ Designed for use in timber frame separating wall cavities to help deliver a zero U-value for party walls as defined in UK Building Regulations

Product Features

Thermal insulation

Meets the full-fill requirement to help deliver a zero U-value for party walls as defined in Building Regulations (Approved Document L1A, Table 3)

Recycled content

Manufactured from up to 86% recycled post-consumer glass that would otherwise go to landfill

Euroclass A1 fire rating

Isover glass mineral wool insulation has an A1 Euroclass fire rating - the best attainable

Protected planet

Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)

Product	Thickness (mm)	Width (mm)	Length (mm)	Density kg/m ³	Pack area (m ²)
Timber Party Wall Roll	50	1200	12000	18.0	14.40
Timber Party Wall Roll	75	1200	8000	18.0	9.60
Timber Party Wall Roll	100	1200	6000	18.0	7.20



Isover Frame Façade Slab

A low lambda rigid glass mineral wool slab providing a continuous layer of insulation around timber frame constructions.

- ✓ Continuous layer of insulation reduces cold bridging through the frame enabling U-values down to zero carbon levels
- ✓ Weatherproof breathable facing protects the construction and negates the need for an additional breather membrane
- ✓ Tongue and groove vertical joints to aid installation and minimise air gaps
- ✓ Full range of accessories available including wall-ties, spacers and sealing tape

Product Features



Thermal insulation

Excellent thermal performance with a thermal conductivity of 0.031 W/mK. Provides a continuous layer of insulation around the frame, reducing cold bridging and allowing very low U-values to be achieved.



Easy to install

Supplied in 1200 x 1800mm slabs to provide quick coverage of large areas



Water resistant

Resilient to moisture damage in storage, during transportation and on site during installation



Euroclass A1 fire rating

Totally non-combustible and fire safe



Protected planet

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Width (mm)	Length (mm)	Batts per pack	Pack area (m ²)
Frame Façade Slab	50	0.031	1.61	1200	1800	4	8.64

Isover Vario Membrane System

A high performance membrane unique in providing excellent levels of airtightness with unparalleled protection against moisture.



- ✓ Improves the energy efficiency of the building by reducing heat loss through the building envelope to a tenth of that of a conventional house
- ✓ Improves thermal comfort by protecting against leaky cracks and joints which invariably cause uncomfortable drafts
- ✓ Ideal for use in low energy and Passivhaus constructions and buildings with mechanical ventilation and heat recovery systems

Product Features



Moisture management

Intelligent moisture management properties help to protect the building fabric from moisture damage



Easy to install

Nylon based micropore membrane with breathable properties

- 3 times stronger than polythene membrane so less likely to damage during transit and installation
- Easy to handle and cut, resulting in more efficient installation



Accessories

Specially developed tape and sealant systems fully compatible with Vario Membrane

- Non ageing tapes for fast and efficient joining
- Ensures maximum performance of Vario system for the lifetime of the property

Product	Units	Measure
Vario KM Duplex Membrane	1 Roll (60m ²)	40m x 1.5m
Vario Powerflex	1 Box (10 rolls)	25m
Vario KB1	1 box (5 rolls)	40m
Vario DS Sealant	1 box (12 cartridges)	310ml per cartridge
Vario Pro-Tape	1 box (5 rolls)	10m

Isover ULTIMATE™ Cavity Barriers

A non-combustible glass wool cavity barrier used to restrict the spread of smoke and flames and to minimise flanking noise transmission in concealed cavities.



- ✓ Provides up to 120 minutes fire protection in concealed cavities which helps to meet requirements of Approved Document B (England & Wales) and Section 2 (Scotland)
- ✓ Helps minimise flanking sound transmission along the wall cavity
- ✓ Helps towards a zero U-value separating wall by providing effective edge sealing

Product Features

 **Easy to install**

Excellent compression properties, which allows for the barrier to be easily installed into cavities without risking damage to brickwork

 **Water resistant**

Resilient to moisture damage in storage, during transportation and on site during installation

 **Euroclass A1 fire rating**

Totally non-combustible and fire safe

 **Protected planet**

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)



Product	Cavity size (mm)	Length (mm)	Width (mm)	Sleeve colour	Fire protection
Cavity Barrier (65)	50 - 65	1200	100	Yellow	30
Cavity Barrier (80)	66 - 80	1200	100	Blue	30
Cavity Barrier (100)	81 - 100	1200	100	White	30
Cavity Barrier (65)	50 - 65	1200	200	Yellow	60
Cavity Barrier (80)	66 - 80	1200	200	Blue	60
Cavity Barrier (100)	81 - 100	1200	200	White	60
Cavity Barrier (65)	50 - 65	1200	300	Yellow	120
Cavity Barrier (80)	50 - 65	1200	300	Blue	120
Cavity Barrier (100)	81 - 100	1200	300	White	120
Cavity Barrier (65)	50 - 65	2400	300	Yellow	120
Cavity Barrier (80)	66 - 80	2400	300	Blue	120
Cavity Barrier (100)	81 - 100	2400	300	White	120

Isover Acoustic Partition Roll (APR 1200)

A glass mineral wool roll providing high levels of acoustic insulation in partitions, walls and floors to meet acoustic requirements in domestic and non-residential applications.



- ✓ Provides high levels of acoustic insulation in partitions, party walls and floors to help meet requirements of Approved Document E (England & Wales) and Section 5 (Scotland)
- ✓ Covered by the SpecSure® Warranty with guaranteed lifetime performance when used as a part of British Gypsum drywall and acoustic floor systems

Product Features

 **Easy to install**

600mm wide glass mineral wool rolls

- Compatible with 600mm timber stud centres
- Push fits with no need for additional fixings

 **Water resistant**

Resilient to moisture damage in storage, during transportation and on site during installation

 **Euroclass A1 fire rating**

Totally non-combustible and fire safe

 **Protected planet**

Excellent environmental credentials and helps towards valuable credits for The Code for Sustainable Homes

- BRE Green Guide A+ Rating
- Recycled content of up to 86%
- Zero Ozone Depletion Potential (ODP) and <5 Global Warming Potential (GWP)

Product	Thickness (mm)	Width (mm)	Length (mm)	Roll area (m ²)
Acoustic Partition Roll (APR 1200)	25	2 x 600	20000	24.00
Acoustic Partition Roll (APR 1200)	25	3 x 400	20000	24.00
Acoustic Partition Roll (APR 1200)	50	2 x 600	13000	15.60
Acoustic Partition Roll (APR 1200)	65	2 x 600	10000	12.00
Acoustic Partition Roll (APR 1200)	75	2 x 600	12200	14.64
Acoustic Partition Roll (APR 1200)	100	2 x 600	9170	11.00



NO NEED FOR PRE-COMPLETION TESTS OR PARGE COATING!
CFSH Code Level 3 achieved

Isover glass mineral wool insulation played a key role in helping The Club achieve Level 3 of the Code for Sustainable Homes.

Main Characteristics

- Built by Parkfield House Developments on the site of a former social club, The Club in Stanford Le Hope, Essex, is a social housing development comprising 15 apartments and three houses.
- The £1.1 million development must comply with Level 3 of the Code for Sustainable Homes, so an insulation solution that would meet both acoustic and energy efficiency requirements.
- Isover's CWS 32 100mm was specified and installed in the cavity walls, with Isover's Acoustic Partition Roll (APR 1200) used in the internal partitions and 100mm RD Party Wall Roll used in the separating walls to meet the performance levels required.

Product Information

Product Name	Insulated building parts	Requirements
CWS 32	Cavity walls	Acoustic and thermal performance
APR 1200	Internal partitions	Acoustic performance
RD Party Wall Roll	Separating walls	Acoustic and thermal performance



Isover has developed its 3 Point Plan for environmental sustainability. This seeks to ensure that Isover and our products when in-situ use:

- ★ **Less Materials**
- ★ **Less Energy**
- ★ **Less Emissions**

- Manufactured using up to 86% recycled glass content



BRE Green Guide to specification Product Rating

- Isover glass mineral wool achieves an A+ summary rating under the BRE Green Guide to Specification.

“Using Isover insulation materials enabled us to easily meet Building Regulations, 2010 Code Level 3 and also meet Part E acoustic legislation targets with a Robust Details approved construction. As well as enhanced thermal and acoustic performance it will also help to improve living comfort and reduce energy bills for residents. We have used Isover insulation on previous projects and have always been very happy with the efficiency of the products and the ease with which they can be installed.”

Bob Dolby,
Parkfield House
Developments





“The Nottingham H.O.U.S.E was built to stringent standards in line with Passivhaus Standards and Level Six of the Code for Sustainable Homes. As well as positively contributing to its sustainability credentials, the products and systems used within the innovative concept house needed to work well in both warmer and cooler climates and Isover insulation products played a key role in helping to achieve the performance levels required.”

Tom Cox,
Innovation and
Product Manager,
Saint-Gobain Isover

The Nottingham H.O.U.S.E (Home Optimising the Use of Solar Energy) aims to meet Passivhaus standards and Level 6 of the Code for Sustainable Homes. Choosing the right insulation to maximise Code credits and provide optimum efficiency was therefore essential to the project’s success.

Main Characteristics

- Designed by architecture students from the University of Nottingham’s Department of the Built Environment, the H.O.U.S.E was the UK’s only entry in the final of the first International Solar Decathlon Europe competition to design, build and operate an energy efficient home.
- It features a modular volumetric design for ease of transportation and rapid assembly, and consists of eight fully prefabricated modules made from a timber cassette panel structure.
- Isover’s Multimax 30, Vario membrane, Acoustic Partition Roll (APR 1200) and RKL Façade were used in the interior panels and on the external walls of the modules, as well as the internal floor, to give unbeatable thermal, acoustic and fire-safe performance.

Product Information

Product Name	Insulated building parts	Requirements
Multimax 30	Off-site fabricated panels	Acoustic and thermal performance
Vario membrane	External walls	Airtightness and moisture management
APR 1200	Internal floors	Acoustic performance and partitions
Frame Façade Slab	Exterior side of wall cassettes	Thermal performance and weather resistance

Isover insulation products

- Comply with the generic BRE Green Guide rating of A+
- Zero ozone depletion potential (ODP)
- >5 Global Warming Potential (GWP)
- Excellent environmental credentials help compliance with sustainability demands



NO NEED FOR PRE-COMPLETION TESTS, RENDERS OR PARGE COATING!

Isover’s Robust Details approved RD Party Wall Roll used in two, 3 bed homes built by Tarmac at the University of Nottingham.

Main Characteristics

- Ensuring maximum credits for sound insulation was an important consideration for the homes. Tarmac approached Isover who recommended it’s RD Party Wall Roll, the new insulation benchmark for acoustic performance in separating walls.
- The system enabled Tarmac to achieve excellent sound insulation results, exceeding Part E Building Regulations, and obtaining the maximum possible number of credits in this area under the Code for Sustainable Homes. On site acoustic testing on the ground and first floors delivered results of 57dB and 60dB, far exceeding the 53dB required for maximum CfSH credits.

Isover RD Party Wall Roll is now incorporated into E-WM-17 construction detail in the Robust Details manual

- E-WM-17 is drylined with gypsum boards directly to the inner face of the blockwork using a ‘dot and dab’ finish. This process eliminates the need to apply a sand and cement render or parge coat, making it the fourth Isover Robust Detail construction to eliminate the need for wet trades on site.

“Tarmac chose to work with Isover because of our excellent track record in delivering high performance acoustic constructions. For the CfSH assessment, it was essential that the party wall performance was such that 4 valuable credits were gained under the Health and Wellbeing Sound Insulation Category. We are proud that an Isover system has been key to the delivery of this project and we believe that it reflects our commitment to innovation and the creation of sustainable insulation solutions.”

Tom Cox,
Innovation and
Product Manager,
Saint-Gobain Isover

Product Information

Product Name	Materials	Insulated building parts	Requirements
E-WM-17 incorporating Isover RD Party Wall Roll	Glass Mineral Wool	Masonry separating walls	Acoustic and thermal performance

CfSH Credits

- E-WM-17 incorporating Isover RD Party Wall Roll delivers three credits under ‘Health & Wellbeing Hea 2 Sound Insulation’ for the Code for Sustainable Homes, four credits for BRE EcoHomes and a B element rating in accordance with the BRE Green Guide to Specification 2008.



Taylor Wimpey - E-WM-17 trials incorporating RD Party Wall Roll

NO NEED FOR PRE-COMPLETION TESTS, RENDERS OR PARGE COATING!



“We have used Isover insulation products on site for some time and were extremely impressed with the E-WM-17 solution incorporating RD Party Wall Roll. Not only did it meet the required environmental criteria and Building Regulations, providing higher acoustic performance, it offered numerous benefits throughout the installation process, leading to time and associated cost savings. In addition, it eliminated the need for pre-completion sound testing and we are pleased with both the results of the trials and feedback from contractors on site.”

Craig Hurst,
Site Manager,
Taylor Wimpey

Built by Taylor Wimpey, Southwood was the first development in the UK to trial Robust Detail E-WM-17, a masonry separating wall solution incorporating Isover RD Party Wall Roll.

Main Characteristics

- Situated near Corby in Northamptonshire, Southwood comprises a mix of around 180 apartments, terrace homes and detached properties.
- E-WM-17 100mm RD Party Wall Roll was used in 100mm design cavities on three plots at the development.
- Tests on all three properties showed that the solution achieved at least 50dB ($D_{nT,W} + Ctr$), exceeding Part E Building Regulations.



Product Information

Product Name	Insulated building parts	Requirements
E-WM-17 incorporating Isover RD Party Wall Roll	Masonry separating walls	Acoustic and thermal performance



Isover insulation products

- E-WM-17 incorporating Isover RD Party Wall Roll delivers three credits under ‘Health & Wellbeing Hea 2 Sound Insulation’ for the Code for Sustainable Homes, four credits for BRE EcoHomes and a B element rating in accordance with the BRE Green Guide to Specification 2008.
- Combined with its insulating properties and ease of installation, the system’s unrivalled acoustic performance made it an ideal choice for this development. Following the success of the initial trials, Taylor Wimpey has since specified it on developments in Ilkeston and Ravenshead, with plans to roll it out across additional sites over the coming months.