



Cavitybatt

Glasswool: An innovative dry wall insulation

DESCRIPTION

Cavitybatt has been specially developed for use within steel frame structures, timber frame buildings and dry wall systems. Cavitybatts are manufactured using high quality Glasswool and are glass tissue faced on one side for ease of handling and improved rigidity.

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2008.

ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2004.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP)

FEATURES & BENEFITS

- Lifelong energy savings
- Exceptional acoustic properties
- Lightweight and easy to handle
- Maintenance free
- Long product life - will not readily age
- Self supporting - will not sag
- Compression packed - to reduce volume and optimise transport and storage
- High tear strength yet readily cut with a sharp blade



FIRE PROPERTIES

- Non-combustible - tested to SANS 10177 Part 5
- Class A1, s1, do according to EN 13823
- EUROCLASS A1 - EN 13501-1

THERMAL PROPERTIES

Contributes to indoor comfort and lifelong energy savings by reducing heat loss/gain due to the inherent thermal insulation properties.

A dry wall system correctly designed and insulated will offer the same or better thermal properties than a conventional brick and mortar construction.

ACOUSTIC PROPERTIES

Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise. Isover insulation reduces sound transmission to and from a room or building.

A dry wall system correctly designed and insulated will offer the same or better acoustical properties than a conventional brick and mortar construction.

APPLICATIONS

- Steel frame buildings
- Timber frame structures
- Dry wall systems
- Designed for use in cavity walls but may effectively be used on top of ceilings, along the roofline, or within masonry wall cavities

Cavitybatt

DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components
- Will not promote corrosion of steel, copper or aluminium
- Will not sustain vermin
- Will not breed or promote fungi, mould or bacteria
- Non-hygroscopic

HANDLING & STORAGE

Store product under cover and in dry conditions. Store flat. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.

PHYSICAL PROPERTIES

Rval (m ² .K/W)	Thickness (mm)	Length (mm)	Width (mm)	k-value (W/m.K)	Qty / pack	Pack size
Dry Wall Structure Batts						
1.34	51	1200	600	0.038	40	1210 x 610 x 460
1.66	63	1200	600	0.038	30	1210 x 610 x 460
2.68	102	1200	600	0.038	20	1210 x 610 x 460
Steelframe Structure Batts						
2.63	100	1200	400	0.038	20	1210 x 410 x 460
Cavity Roll						
2.63	100	8000	300	0.038	4	1220 x 650

Typical values

TOOLS NEEDED FOR INSTALLATION

Batts are designed around the frame/stud system for ease of installation, therefore minimal tools are required. A sharp knife/blade will come in handy for off-cuts and for slitting batts to fit over piping and conduits.

INSTALLATION INSTRUCTIONS

1. Open packaging allowing space for the initial immediate recovery of compressed product.
2. Push individual batts firmly into the cavity space with glass tissue facing on the exposed side.
3. Use a sharp knife to slit the Cavitybatt to encapsulate piping/conduits.
4. Use a sharp knife to cut batt around any plug points.
5. Make sure that there are no gaps, which will cause thermal and noise leakage.

ARCHITECTURAL SPECIFICATION

Install (51/63/100/102) mm thick self-supporting non-combustible lightweight, glass tissue faced Glasswool "Cavitybatt insulation", offering a thermal resistance value of (1.34/1.66/2.63/2.68) m².K/W for heat and/or acoustic control. Install strictly in accordance to manufacturer's detail and specification.

Cavitybatt Insulation

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Isover reserves the right to alter or amend product specification without notice. The information given in this publication is correct to the best of our knowledge at the time of publication. Whilst Isover will endeavour to ensure publications are up to date, it is the users' responsibility to check with us that it is correct prior to use.

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