



# Cavitybatt™ & Cavitylite®

Glasswool: an innovative  
dry wall solution





**Cavitybatt™ & Cavitylite®** have been specially developed for acoustic performance in drywall systems.

## TECHNICAL DATA SHEET



### SOUND INSULATION & ABSORPTION

#### DESCRIPTION

Cavitybatt™ & Cavitylite® have been specially developed for use within steel frame structures, timber frame buildings and dry wall systems. These products 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 9001:2015.

#### ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015. Less material, less energy and less emissions

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

#### FEATURES & BENEFITS

- Energy saving
- Exceptional acoustic properties
- Lightweight and easy to handle
- Maintenance free
- Compression packed – to reduce volume and optimise transport and storage
- High tear strength yet readily cut with a sharp blade.

#### FIRE PROPERTIES

- No Health risk
- Non-combustible – tested to SANS 10177 Part 5
- SANS 428 fire classification – A/A1/1
- EN 13501 fire classification – A1-s1, d0.



### UNIQUE LIGHTNESS



### THERMAL COMFORT



### ENVIRONMENTALLY FRIENDLY RECYCLED GLASS

## 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.

## PHYSICAL PROPERTIES

R-value (m <sup>2</sup> .K/W)	Thickness (mm)	Length (mm)	Width (mm)	Density (kg/m <sup>3</sup> )	K-value (W/m.K)	Quantity /Pack	Pack Size
<b>Dry Wall Structure Cavitybatt™</b>							
1.34	51	1200	600	14	0.038	40	1210 x 610 x 460
1.66	63	1200	600	14	0.038	30	1210 x 610 x 460
2.68	102	1200	600	14	0.038	20	1210 x 610 x 460
<b>Dry Wall Structure Cavitylite®</b>							
1.34	51	6000	600*	14	0.038	2	1220 x 339
1.66	63	5400	600*	14	0.038	2	1220 x 376
2.68	102	5400	600*	14	0.038	2	1220 x 479

\*Rolls supplied 1200 mm wide slit into 2 x 600 mm sections.

## 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.

## TOOLS NEEDED FOR INSTALLATION

Batts and rolls 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 or rolls firmly into the cavity space with glass tissue facing on the exposed side.
3. Use a sharp knife to slit the product to encapsulate piping/conduits.
4. Use a sharp knife to cut around any plug points.
5. Make sure that there are no gaps, which will cause thermal and noise leakage.

## ARCHITECTURAL SPECIFICATION

Install (51/63/102) mm thick self-supporting non-combustible lightweight, glass tissue faced Glasswool "Cavitybatt™/ Cavitylite® insulation", offering a thermal resistance value of (1.34/1.66/2.68) m<sup>2</sup>.K/W for heat and/ or acoustic control. Install strictly in accordance to manufacturer's detail and specification.



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