



# MOY ISOVER

## Moy Plus Rolls

### Introduction

Moy Plus Rolls are lightweight glasswool rolls manufactured in Ireland. Available in a wide variety of thicknesses, lengths and widths, Moy Plus Rolls are excellent for thermal and acoustic insulation, for fire resistance in walls and roof spaces in domestic, commercial and industrial buildings. Moy Plus Rolls are ideal for timber framed buildings, acoustic insulation in partitioning and over suspended ceilings.

#### Environmental:

The basic constituent of Moy Plus is glass mineral wool, manufactured from silica sand, the Earth's most abundant naturally occurring mineral.

Glass mineral wool is one of the most environmentally friendly insulation materials, inorganic and completely inert; over 70% of the raw material used in the production cycle is recycled. This process does not include the use of CFC's, HCFC's or any other environmentally damaging gases.

#### Duarability:

- Odourless, inert and fully compatible with all standard building materials and components.
- Will not accelerate corrosion of steel, copper or aluminium.
- Will not sustain vermin or promote the growth of mould, fungi or bacteria.
- Will not slump or consolidate in normal building applications.

### Fire Performance - Class A1

Completely fire safe – Euroclass A1 fire rating when classified in accordance with EN 13501-1. This is the top fire rating available



FIRE

### Benefits

- General Purpose Roll - to convenient ready-cut widths
- Excellent thermal and acoustic performance.
- Exceptional tear strength.
- Completely fire safe – Euroclass A1 fire rating when classified in accordance with EN 13501-1.
- Durable – not easily damaged in storage, during transport or on site when installed.
- Easy to install.

### Acoustic Performance

Widely used for noise control purposes in a variety of applications including light weight partitions and for sound absorption over suspended ceilings. Acoustic performance depends specifically on the thickness of the material, method of construction and other site factors.



ACOUSTIC

## Product Performance & Characteristics

### Thermal Performance:

Meets or exceeds Building Regulations Part L 2005 Elemental Method.

### Attics – Insulating right between the joists

The tables on the right show the U-values achieved using Moy Plus Insulation laid in the roof void.

U-values are based on the first 100mm/150mm layer of insulation laid between the joists, and the remaining thickness installed as a second layer, cross laid over the joists to reduce cold bridging.

### Moy Plus Roll

Thickness of Moyplus Insulation mm		U-Value W/m <sup>2</sup> .K
1st Layer	2nd Layer	
100	170	0.16
100	200	0.15
150	150	0.14
200	No 2nd Layer	0.23*

\*Complies with the Building Regulation Overall Calculation Method.

### Spacesaver Method - Metac Roll

Thickness of Moyplus Insulation mm		U-Value W/m <sup>2</sup> .K
1st Layer	2nd Layer	
220		0.16

## Building Specifications

The complete area of the top floor ceiling is to be insulated with Moy Plus Rolls as specified. Insulation of a width appropriate to the joist spacing to be laid between the joists and to finish over wall plate on external walls. All end joists to be close butted. Maintain a minimum of 50mm Airspace between insulation and sarking-felt at eaves, by way of ventilators. Cold water tank and pipes to be separately insulated. Do not insulate under the cold water tank.

## Packaging

Moy Plus Insulation Products are supplied in strong branded polythene packaging, and are palletised for convenient storage.

## Product Details

### Moy Plus Rolls

Thickness mm	Width mm	Length m	Area Per Roll m <sup>2</sup>	Thermal Conductivity W/mK	Thermal Resistance m <sup>2</sup> K/W
50	1200	14.00	16.80	0.044	1.14
60	1200	12.50	15.00	0.044	1.36
70	1200	10.00	12.00	0.044	1.59
80	1200	9.40	11.28	0.044	1.82
100	1200	8.33	10.00	0.044	2.27
150	1160	6.00	6.96	0.044	3.41
170	1160	6.00	6.96	0.044	3.86
200	1160	4.31	5.00	0.044	4.545

**Moy Plus Rolls can be produced with facing or backing material such as paper, polythene, tissue or foil.**

Also available in split sizes: up to 100mm – 2 x 600 and 3 x 400 150mm – 2 x 580 and 3 x 386 200mm – 2 x 580 and 3 x 386

### Spacesaver: Metac Roll

Thickness mm	Width mm	Length m	Area Per Roll m <sup>2</sup>	Thermal Conductivity W/mK	Thermal Resistance m <sup>2</sup> K/W
220	1200	3.30	3.96	0.034	6.47

## Technical Support

Technical Support is available from at Head Office, specialist staff will be pleased to discuss all aspects of insulation with architects, specifiers, builders and other users.

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