



March 2010

## Earthwool® Universal Roll

For floors, walls and roofs

### Description

Earthwool Universal Roll is a flexible, lightweight, low density, non-combustible glass mineral wool roll with high tear strength.

| Thickness<br>(mm) | Thermal conductivity<br>(W/mK) | Thermal resistance<br>(m <sup>2</sup> K/W) | Length<br>(m) | Width<br>(mm) | Area per pack<br>(m <sup>2</sup> ) | Rolls per pack |
|-------------------|--------------------------------|--|---------------|---------------|------------------------------------|----------------|
| 80                | 0.044                          | 1.80                                       | 11.25         | 1200          | 13.50                              | 24             |
| 60                | 0.044                          | 1.35                                       | 2x7.50        | 1200          | 18.00                              | 24             |

All dimensions are nominal

### Performance

#### Thermal

Earthwool Universal Roll has a thermal conductivity of 0.044W/mK.

#### Fire

Earthwool Universal Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

#### Acoustics

Earthwool Universal Roll has excellent sound absorption characteristics

### Benefits

- Lightweight and economic insulation quilt
- Exceptional high tear strength
- Provides thermal and acoustic performance
- Quick and easy to use and install
- Lightweight and easy to handle

## Earthwool® Universal Roll

### Application

Earthwool Universal Roll is uncut at 1200mm wide for use as a general purpose thermal and acoustic building roll and is available in 60 and 80mm thicknesses.

### Standards

Earthwool Universal Roll is non-combustible glass mineral wool, defined as mineral wool in BS 3533: 1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000, and Product Standard EN 13162.

### Durability

Earthwool Universal Roll is rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria, it is odourless and non-hygroscopic.

### Vapour resistance - resistivity

Earthwool Universal Roll offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00MN/g.m.

### Environmental

Earthwool Universal Roll is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. **Earthwool Universal Roll's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

### Handling and storage

Earthwool Universal Roll is easy to handle and install, being lightweight and easily cut to size, where necessary. Earthwool Universal Roll is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Installation instructions are on every pack. Earthwool Universal Roll should not be left permanently exposed to the elements.

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

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