

# ENCAPSULATED PRODUCTS

**U-Spec Encapsulated Products** are glass or rock mineral wool insulation fully enclosed in a suitable covering. The encapsulation material is typically polythene film, either standard grade or fire-retardant grade. Alternatively Bright Class O aluminium foil or non-woven polypropylene can be used as the enclosing medium.

Encapsulated Products are available either in square or rectangular pad-format, or full-length rolls.



## Application

**Ceiling Pads** are typically used above suspended ceilings to enhance the acoustic performance of the ceiling. Generally used in clean-air environments or situations where loose fibres may cause problems. Encapsulated insulation is ideal for use where ceiling tiles and insulation are likely to be disturbed during the life of the installation to allow maintenance in the ceiling void.

**Encapsulated Rolls** are also used above suspended ceilings to enhance the acoustic performance of the ceiling, but are more commonly used as an itch-free thermal insulation product in lofts and roofs.



## Dimensions

**Ceiling Pads** can be supplied in any dimension, but are typically 600mm x 600mm and 1200mm x 600mm, and in thicknesses ranging from 25mm up to 300mm

**Encapsulated Rolls** are available in widths of 386mm, 580mm and 1,160mm, and in lengths of 9.17m (at 100mm thickness), 6.03m (at 150mm thickness) and 3.88m (at 200mm thickness)

## Insulation Infill

Glass wool, typically 10 kg/m<sup>3</sup> density. rock wool, typically 45 kg/m<sup>3</sup> density

Encapsulating medium: Polythene film – standard grade or FR grade; or Bright Class O aluminium foil; non-woven polypropylene.

**Fire Rating of Mineral Wool Infil** – Euroclass A1

**Packaging – Encapsulated Products** are packed in clear polythene bags which are designed for short-term protection only. For long-term protection on site, the product should be stored indoors, or under cover and off the ground, and should not be left permanently exposed to the elements before installation.