



# Expanded Polystyrene (EPS)

## Product Information

### Type of Insulation

Manufactured from polystyrene beads and fused together in a steam-heated mould under pressure. The material is lightweight and versatile, and has excellent thermal properties

### Restrictions

Polystyrene can be used up to a height of 18m in height, in an external Warm Wall Application, when used above this height advice should be sought from technical support .Fire breaks may be required in buildings above 3 floors advice should be sought from technical support

### Environment

Expanded polystyrene has been awarded an A+ rating by the BRE Green Guide to Specification

### Moisture Resistance

EPS has a significant resistance to water vapour passing through it to the substrate

### Durability

EPS is rot proof and durable for the life of the building

### Type

EPS is supplied as EPS 70e aged ,as defined in BS EN 13163, reaction to fire Class E, and contains a flame-retardant additive. Normal density is 15kgs, and will vary with some thermal properties supplied

### Fire

When installed as part of a Warm Wall System the insulation is protected by the render system and will give a class O surface spread of flame

## Technical Information

### Thermal Properties

Available in:  
0.040W/mK  
0.038W/mK  
0.035W/mK  
0.032W/mK

### Dimensions

Square Edge  
500mm x 1000mm  
Tongued and Grooved  
485mm x 1000mm  
Rail System (grooved)  
500mm x 500mm

### Standard Sizes

Square Edge 40mm to 400mm  
Tongued and Grooved 60mm to 400mm  
Rail System 50mm to 160mm  
Reveal Boards 20mm, 30mm  
For non standard sizes please contact us