

Eurothane GP is a thermal insulation board. Its core consists of rigid polyisocyanurate PIR foam. The board is faced with a gas diffusion tight multilayer foil on both sides. Grid pattern on both sides.

#### Application(s)

Thermal insulation of Pitched roofs, Framed walls, Floors (compatible with underfloor heating systems)

#### Board

| Description                  | Value                                                                     | Unit              | Tolerances | Standard |
|------------------------------|---------------------------------------------------------------------------|-------------------|------------|----------|
| <b>Dimensions</b>            |                                                                           |                   |            |          |
| Length                       | 2400                                                                      | mm                |            |          |
| Width                        | 1200                                                                      | mm                |            |          |
| Thickness range              | 20 – 160                                                                  | mm                | T2         | EN 823   |
| Density (core volume weight) | ± 30                                                                      | kg/m <sup>3</sup> |            |          |
| <b>Appearance</b>            |                                                                           |                   |            |          |
| Facing                       | Gas diffusion tight multilayer foil on both sides and grid on both sides. |                   |            |          |
| Edge finishing               | Straight edges                                                            |                   |            |          |

#### Essential Characteristics

| Description                                                   | Standard   | EN code     | Value | Unit  |
|---------------------------------------------------------------|------------|-------------|-------|-------|
| <b>Thermal conductivity (declared value)</b>                  |            |             |       |       |
| All thicknesses                                               | EN 13165   | $\lambda_D$ | 0.022 | W/m.K |
| <b>Mechanical properties</b>                                  |            |             |       |       |
| Compressive stress or compressive strength at 10% deformation | EN 826     | CS(10/Y)120 | ≥120  | kPa   |
| <b>Fire behaviour</b>                                         |            |             |       |       |
| Reaction to fire (product as such)                            | EN 13501-1 | Euroclasse  | F     |       |

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#### Recticel Insulation

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#### Hygrometric properties

|                                                      |              |       |          |               |
|------------------------------------------------------|--------------|-------|----------|---------------|
| Water vapour diffusion coefficient (tabulated value) | EN ISO 10456 | $\mu$ | 50 - 100 | (tab. values) |
|------------------------------------------------------|--------------|-------|----------|---------------|

#### Insulation Values

| Thickness (mm) | $\lambda_D$ -value (W/mK) | $R_D$ -value (m <sup>2</sup> K/W) |
|----------------|---------------------------|-----------------------------------|
| 20             | 0.022                     | 0.90                              |
| 25             | 0.022                     | 1.10                              |
| 30             | 0.022                     | 1.35                              |
| 40             | 0.022                     | 1.80                              |
| 50             | 0.022                     | 2.25                              |
| 60             | 0.022                     | 2.70                              |
| 65             | 0.022                     | 2.95                              |
| 70             | 0.022                     | 3.15                              |
| 75             | 0.022                     | 3.40                              |
| 80             | 0.022                     | 3.60                              |
| 85             | 0.022                     | 3.85                              |
| 90             | 0.022                     | 4.05                              |
| 100            | 0.022                     | 4.50                              |
| 110            | 0.022                     | 5.00                              |
| 120            | 0.022                     | 5.45                              |
| 130            | 0.022                     | 5.90                              |
| 140            | 0.022                     | 6.35                              |
| 150            | 0.022                     | 6.80                              |
| 160            | 0.022                     | 7.25                              |

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## Standards & Certificates

### Standards

|                          |                         |
|--------------------------|-------------------------|
| Product standard         | EN 13165:2012 + A2:2016 |
| Production               | ISO 9001:2015           |
| Environmental management | ISO 14001:2015          |

### Certificates

|      |                                                    |             |
|------|----------------------------------------------------|-------------|
| BBA  | 24/7254                                            | (25-160 mm) |
| PEFC | 100% PEFC - certificate number: CU-PEFC-COC-867959 |             |
| VOC  | A+                                                 |             |

## Other / Miscellaneous

### Production plant

Stoke-on-Trent Enterprise Way, Whittle road, Meir park Stoke-on-Trent Staffordshire ST3 7UN

### Storage/handling

The packaging in which the product is supplied, is not suitable for outside storage. Boards should be kept, dry, stored clear of the ground and covered with a weatherproof sheet, and protected from direct sunlight. Boards that have been allowed to get wet, should not be used.

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