



# PROMALIGHT®

## Microporous Insulating Rigid Board

| PROMALIGHT®  |                    | 310 <sup>1</sup> | 320   | 330   |       |
|--|--------------------|------------------|-------|-------|-------|
| Classification Temperature                                 | °C                 | 1000             | 1000  | 1000  |       |
| Nominal density  | Kg /m <sup>3</sup> | 365 <sup>2</sup> | 300   | 330   |       |
| Linear Shrinkage at 900°C exposure on both sides, 12 hours | %                  | <2               | <2    | <2    |       |
| Cold compressive strength                                  | N /mm <sup>2</sup> | 1.8              | 1.3   | 3.3   |       |
| Flexural strength  | N /mm <sup>2</sup> | 0.3              | 0.16  | 0.50  |       |
| Specific heat  | Kj / kgK           | 1.05             | 1.05  | 1.05  |       |
| Thermal conductivity at mean temperature of                |                    | <sup>3</sup>     |       |       |       |
|  | 200°C              | W /mK            | 0.026 | 0.022 | 0.020 |
|  | 400°C              |                  | 0.034 | 0.025 | 0.023 |
|  | 600°C              |                  | 0.044 | 0.035 | 0.033 |
|  | 800°C              |                  | 0.055 | 0.044 | 0.038 |
| Typica composition (core)                                  |                    |                  |       |       |       |
|  | ZrO <sub>2</sub>   | %                | 20,0  | 20,0  | 20,0  |
|  | SiO <sub>2</sub>   |                  | 77,5  | 77,5  | 77,5  |
|  | CaO                |                  | 2,5   | 2,5   | 2,5   |

<sup>1</sup> board with vermiculite layer on 2 sides

<sup>2-3</sup> Measured on a 25 mm thickness

### Sizes:

| Length (mm)           | Width (mm)               | Thickness (mm)  |
|-----------------------|--------------------------|---|
| 1000 /1045 (only 320) | 600, 610, 640 (only 320) | 10, 12, 15, 20, 25, 30, 40, 50 (depending on quality) |

### Tolerances:

| Thickness | Length / Width |
|-----------|----------------|
| ± 1 mm    | ± 3 mm         |

### Workability



The above data are given in good faith and refer to internal standard test procedures based on internationally recognized testing methods; they are subjected to normal fluctuation during the production process. No warranty are herewith given regarding specific applications without our prior written approval. Our data sheets cannot be used for technical specifications purposes without our authorization. All right reserved – Promat is a registered trademark.

