


# X-FOAM® COB-WALL

EXTRUDED POLYSTYRENE (XPS) DERIVED FROM THE TECHNOLOGY X-FOAM® WITHOUT EXTRUSION SKIN [WITHOUT HCFC - WITHOUT HFC]

| PROPERTY   | NORM  | UNITS                           | VALUE                               |      |      |      |      |      |       |
|--|---|---------------------------------|-------------------------------------|------|------|------|------|------|-------|
| <b>DIMENSIONS</b>  |   |                                 |                                     |      |      |      |      |      |       |
| Thickness  | EN 823  | mm                              | 140-160-180-200-220-240-260-280-300 |      |      |      |      |      |       |
| Thickness tolerance  | EN 823<br>EN 13164  | mm                              | -2 / +8                             |      |      |      |      |      |       |
| Length   | EN 822  | mm                              | 1250                                |      |      |      |      |      |       |
| Width  | EN 822  | mm                              | 600                                 |      |      |      |      |      |       |
| <b>EDGE PROFILE</b>  |   |                                 |                                     |      |      |      |      |      |       |
| Butt edge  |  | Surface: Without extrusion skin |                                     |      |      |      |      |      |       |
| <b>DECLARED THERMAL CONDUCTIVITY AND DECLARED THERMAL RESISTANCE</b>   |   |                                 |                                     |      |      |      |      |      |       |
| Declared thermal conductivity<br>Thickness from 140mm to 300mm   | EN 13164<br>EN 12667  | W/mK                            | 0,030                               |      |      |      |      |      |       |
| Thermal Resistance (Norm EN 13164)   |   |                                 |                                     |      |      |      |      |      |       |
| Thickness (mm):  | 140   | 160                             | 180                                 | 200  | 220  | 240  | 260  | 280  | 300   |
| Thermal Resistance (m²K/W):  | 4,65  | 5,30                            | 6,00                                | 6,65 | 7,30 | 8,00 | 8,65 | 9,30 | 10,00 |
| <b>COMPRESSIVE STRESS OR COMPRESSIVE STRENGTH AT 10% DEFORMATION</b>   |   |                                 |                                     |      |      |      |      |      |       |
| Compressive strength at 10% deformation  | EN 826  | kPa                             | ≥ 100                               |      |      |      |      |      |       |
| <b>DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS</b>                                     |   |                                 |                                     |      |      |      |      |      |       |
| Relative change in thickness, length and width with specified temperature (70 °C) and humidity conditions (90% H.R.) | EN 1604   | %                               | < 0,5                               |      |      |      |      |      |       |
| <b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)</b>  |   |                                 |                                     |      |      |      |      |      |       |
| Thickness from 140mm to 300mm  | EN 12086  |                                 | ≥ 100                               |      |      |      |      |      |       |
| <b>REACTION TO FIRE</b>  |   |                                 |                                     |      |      |      |      |      |       |
| Reaction to fire   | EN 13501-1  | Euroclass                       | E                                   |      |      |      |      |      |       |
| <b>MAXIMUM TEMPERATURE OF USE</b>  |   |                                 |                                     |      |      |      |      |      |       |
| Maximum temperature of use   |   | °C                              | + 75                                |      |      |      |      |      |       |

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