

DECLARATION OF PERFORMANCE



DOP RTD2EN14-1 | 500SL-040

1. Unique identification code of the product-type: RAVATHERM XPS 500 SL
2. Type, id. number: RAVATHERM XPS 500 SL, 5001004020
Thickness: 40 mm
3. Intended use of the construction product as foreseen by the manufacturer: Thermal Insulation for Buildings (ThIB)
XPS/EN13164 - 2012
4. Name and contact address of the manufacturer: RAVATHERM Hungary Kft.
8184 Balatonfűzfő, Almádi út 4.
5. System or systems of assessment and verification of constancy of: AVCP - System 3
6. Name and identification number of notified body: FIW (0751)
ÉMI (1415)
7. Declared Performance: Essential characteristic (EN 13164 - ZA1)

| Essential characteristic | Performance |
|---|--|
| Thermal conductivity | $\lambda_d = 0,033 \text{ W/mK}$ |
| Thermal resistance | $R_d = 1,20 \text{ m}^2\text{K/W}$ |
| Dimensional tolerances | T1 |
| Compressive strength | CS(10\Y) 500 |
| Tensile strength perpendicular to faces | TR NP |
| Shear strength | SS NP |
| Reaction to fire | E |
| Continuous glowing combustion | - - |
| Long term water absorption by total immersion | WL(T) 0,7 |
| Long term water absorption by diffusion | WD(V) 3 |
| Water vapor diffusion resistance factor | MU 80 |
| Durability of compressive strength against (compressive creep) | CC (2/1,5/50) 180 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | No change in Reaction to fire properties for extruded polystyrene foam |
| Durability of thermal resistance against heat, weathering, ageing/degradation | |
| Thermal resistance and thermal conductivity | see above R_d and λ_d |
| Freeze/thaw resistance after long term water absorption by diffusion | FTCD 1 |
| Freeze/thaw resistance after long term water absorption by total immersion | FTCI NP |
| Dimensional stability under specified temperature and humidity conditions | DS (70,90) |
| Deformation under specified compressive load and temperature conditions | DLT (2) 5 |
| Release of dangerous substances to the indoor environment | - - |

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by

Gerendi Gábor
TS&D Manager

Balatonfűzfő, 02. June 2014.

This product contains Hexabromocyclododecane (declaration according to CPR requirement Article 6 Paragraph 5).
NPD - No Performance Determined