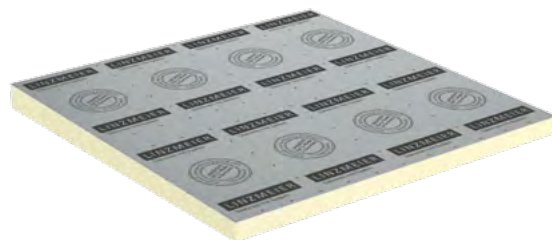


Technical data

LINITHERM PAL Gradient

Flat roof insulation system



| Property | Formula symbol | Unit | Parameter and measured value | Standard |
|--|----------------|--------------------------|--|------------------|
| Material | - | - | Polyurethane rigid foam, coated with aluminium film on both sides, low-glare on one side | EN 13165 |
| Application type | - | - | DAA dh | DIN 4108-10 |
| Gross density | ρ | kg/m ³ | ≥ approx. 33 | - |
| Fire behaviour | - | - | Class E or normally inflammable | EN 13501-1 |
| Thermal conductivity (D) | λ_B | W/(mK) | 0.023 | DIN 4108-4 |
| Thermal conductivity (EU) | λ_D | W/(mK) | 0.022 | EN 13165 |
| Temperature resistance | - | °C | -30 to +90 | - |
| Compressive stress | σ_{D10} | N/mm ² kPa | ≥ 0.12 (at 10 % compression) ≥ 120 | EN 826 |
| Max. permitted permanent compressive stress | σ_{D2} | N/mm ² kPa | ≥ 0.024 (at 2 % compression) ≥ 24 | - |
| Tensile strength perpendicular to the panel surface | σ_{mt} | N/mm ² kPa | ≥ 0.05 ≥ 50 | EN 1607 |
| Thermal expansion coefficient | α | K ⁻¹ | 3 to 7 x 10 ⁻⁵ | Based on EN 1604 |
| Specific thermal capacity | c | J/(kg·K) | 1400 | EN 12524 |
| Water vapour diffusion equivalent air layer thickness | s_d | m | > 1500 (see examination report A3-04/03, FIW München) | EN 12524 |
| Water absorption of polyurethane rigid foam after 28 days of sub-water storage | - | Vol-% | 1.0 to 2.5 | EN 12087 |
| Resistance of polyurethane rigid foam | - | - | Chemically resistant to petrol, diesel mineral oil, micro-organisms, mould, rot-proof | - |
| Thickness grades | - | mm | 30/55, 55/80, 80/105, 105/130, 130/155, 155/180, 180/205, 205/230 | - |
| Edge connection | - | - | Round about edgeless cut | - |
| Overlap | - | mm | 1200 x 1200 (= calculation measurement) | - |

Our brochures and information material are meant to provide advice to the best of our knowledge. Subject to technical modifications.



Declaration of Performance
002-LICPR-200801
www.linzmeier.de/downloads



DIN EN 13165
Inspection: 0751 FIW München



pure life is a seal of approval issued by the USGPU association