# Globe Wall Mineral Sound

sound-insulating and sound-absorbing wall panel made of mineral fibre

PANEL WITH REACTION TO FIRE: CLASSE A2-S1. D0

**DIMENSIONS**:
WIDTH: 1.000 MM
LENGTH: CUSTOMISABLE
MAXIMUM LENGTH AVAILABLE: ON DEMAND
THICKNESSES: MM 50, 60, 80, 100, 120, 150, 180, 200

**INSULATING CORE**:
MADE WITH AN INSULATION LAYER COMPOSED OF BIOSOLUBLE MINERAL WOOL STRIPS, PLACED IN A LONGITUDINAL WAY, WITH THE FIBRES BEING SET AT 90 DEGREES TO THE PLANE OF THE TWO FACINGS, WITH A BLACK GLASS FILM INTERPOSED TO THE DRILLED STEEL FACING.
DENSITY: 100 KG/M3 ±10%
DIFFERENT DENSITY AVAILABLE ON DEMAND.
THERMAL-CONDUCTIVITY COEFFICIENT TILL = 0.039 WATT/MK.

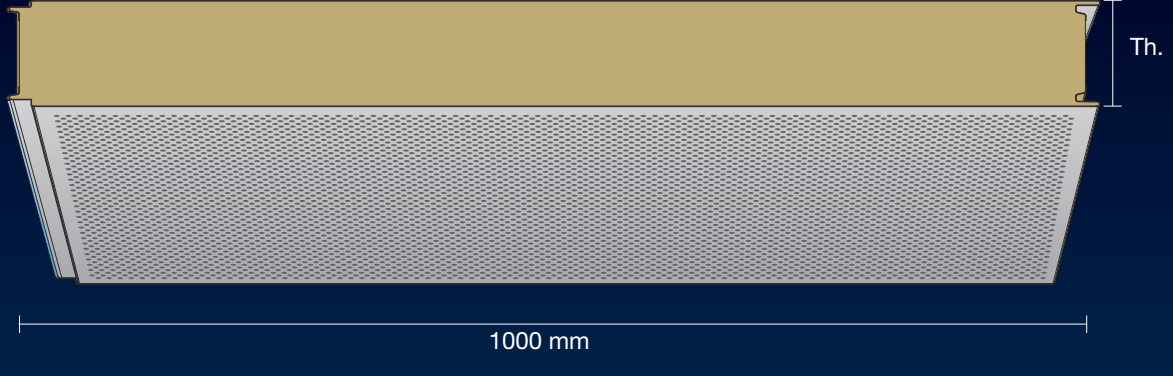
**SOUND-ABSORPTION**:
THICKNESS MM 50: AW = 0.90
THICKNESS MM 80: AW = 0.95
THICKNESS MM 100: AW = 0.95

**SOUND-INSULATION**:
THICKNESS MM 50: RW = 31 DB
THICKNESS MM 80: RW = 34 DB
THICKNESS MM 100: RW = 35 DB

**FACINGS**:
PREPAINTED OR PLASTICISED GALVANISED STEEL; NATURAL EMBOSSED OR PREPAINTED ALUMINIUM; STAINLESS STEEL.
THE STANDARD THICKNESSES OF THE GALVANISED STEEL AND PREPAINTED FACINGS ARE 0.5 MM + 0.6 MM.OTHER THICKNESSES ARE AVAILABLE ON DEMAND.

**STANDARD COLOURS**:
WHITE, GREY. ON DEMAND, ALL RAL COLOURS ARE AVAILABLE.

WALLS mineral fibre

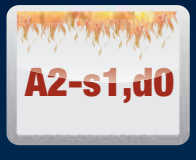



## Available internal facing (to be specified when ordering)

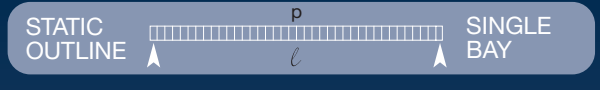
Slatted | Plank | Smooth

## Thermal characteristics

| U transmittance | PANEL NOMINAL THICKNESS ( mm ) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 200 |
| W/m² K | 0.760 | 0.630 | 0.470 | 0.380 | 0.320 | 0.250 | 0.218 | 0.195 |
| Kcal/m² h °C | 0.655 | 0.543 | 0.405 | 0.328 | 0.276 | 0.216 | 0.188 | 0.168 |




## Static characteristics (kg/m²)




External facing: steel 0.5 mm. - Internal facing: steel 0.6 mm.

| PANEL THICKNESS ( mm ) | DISTANCE BETWEEN SUPPORTS ( ml ) | | | | | | | | | | WEIGHT (Kg/m²) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | |
| 50 | 165 | 120 | 95 | 80 | 70 | 60 | 55 | | | | 13.83 |
| 60 | 195 | 145 | 115 | 95 | 85 | 70 | 65 | 55 | | | 14.83 |
| 80 | 265 | 200 | 160 | 130 | 110 | 100 | 85 | 80 | 70 | 60 | 16.83 |
| 100 | 320 | 240 | 190 | 160 | 135 | 120 | 105 | 95 | 85 | 80 | 18.83 |
| 120 | 325 | 240 | 195 | 160 | 135 | 120 | 105 | 95 | 85 | 80 | 20.83 |
| 150 | 325 | 240 | 195 | 160 | 135 | 120 | 105 | 95 | 85 | 80 | 23.83 |
| 180 | 345 | 260 | 205 | 170 | 145 | 130 | 115 | 100 | 90 | 85 | 26.83 |
| 200 | 345 | 260 | 205 | 170 | 145 | 130 | 115 | 100 | 90 | 85 | 28.83 |

p = (kg/m²) uniformly distributed load - Working support width: 50 mm
Normal deflection limit: ℓ 1/200

## Static characteristics (kg/m²)


| PANEL THICKNESS ( mm ) | DISTANCE BETWEEN SUPPORTS ( ml ) | | | | | | | | | | WEIGHT (Kg/m²) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | |
| 50 | 130 | 95 | 75 | 65 | 55 | | | | | | 13.83 |
| 60 | 160 | 115 | 95 | 75 | 65 | 55 | 50 | | | | 14.83 |
| 80 | 215 | 160 | 125 | 105 | 90 | 80 | 70 | 60 | 55 | | 16.83 |
| 100 | 255 | 190 | 150 | 125 | 110 | 90 | 80 | 70 | 60 | 55 | 18.83 |
| 120 | 260 | 195 | 155 | 130 | 110 | 90 | 80 | 70 | 60 | 55 | 20.83 |
| 150 | 260 | 195 | 155 | 130 | 110 | 90 | 80 | 70 | 60 | 55 | 23.83 |
| 180 | 260 | 195 | 155 | 130 | 110 | 90 | 80 | 70 | 60 | 55 | 26.83 |
| 200 | 260 | 195 | 155 | 130 | 110 | 90 | 80 | 70 | 60 | 55 | 28.83 |

p = (kg/m²) uniformly distributed load - Working support width: 100 mm
Normal deflection limit: ℓ 1/200

## Static characteristics (kg/m²)


| PANEL THICKNESS ( mm ) | DISTANCE BETWEEN SUPPORTS ( ml ) | | | | | | | | | | WEIGHT (Kg/m²) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | |
| 50 | 135 | 100 | 80 | 65 | 55 | 50 | | | | | 13.83 |
| 60 | 165 | 120 | 95 | 80 | 70 | 60 | 55 | | | | 14.83 |
| 80 | 220 | 165 | 130 | 110 | 95 | 80 | 70 | 65 | 60 | 55 | 16.83 |
| 100 | 280 | 210 | 165 | 140 | 120 | 105 | 90 | 80 | 70 | 65 | 18.83 |
| 120 | 285 | 215 | 170 | 140 | 120 | 105 | 95 | 80 | 70 | 65 | 20.83 |
| 150 | 285 | 215 | 170 | 140 | 120 | 105 | 95 | 80 | 70 | 65 | 23.83 |
| 180 | 285 | 215 | 170 | 140 | 120 | 105 | 95 | 80 | 70 | 65 | 26.83 |
| 200 | 285 | 215 | 170 | 140 | 120 | 105 | 95 | 80 | 70 | 65 | 28.83 |

p = (kg/m²) uniformly distributed load - Working support width: 100 mm
Normal deflection limit: ℓ 1/200