

Ecolite™

ECOLITE expanded glass granules are non-flammable lightweight aggregates, made from recycled post consumer glass, possessing excellent thermal and acoustic properties.



| Physical Properties | | | Ecolite 4000/8000 |
|--|--------------------------|---------------|-----------------------|
| Grain size | (mm) | EN 933-1 | 4 - 8 |
| Loose bulk density | (kg/m ³)±15% | EN 1097-3 | 170 |
| Particle density | (kg/m ³)±15% | DIN V 18004 | 300 |
| Compressive strength | (MPa) | EN 13055-1 | >1.9 |
| Chemical properties | | | |
| Chloride | (wt %) | DIN EN 1744-1 | < 0.01 |
| Acid-soluble sulfate | (wt %) | | < 0.1 |
| Total sulfur | (wt %) | | < 0.1 |
| Other properties | | | |
| Thermal conductivity | (W/(mK)) | DIN 52612-1 | 0.07 |
| Water vapour diffusion resistance, μ | | DIN 52615 | 5 |
| 1h water absorption | (wt %) | | 1.3 |
| 24h water absorption | (wt %) | | 9.11 |
| Fire classification | | DIN 4102-4 | A1 |
| VOC-class | | DIN EN 717-1 | A+ |
| Colour | | | Light Grey |
| Softening Point | | | approx. 700 °C |
| Material definition | | EN 13055-1 | Lightweight aggregate |

| Chemical Composition | |
|--------------------------------|-----|
| SiO ₂ | 73% |
| Na ₂ O | 13% |
| CaO | 8% |
| MgO | 3% |
| Al ₂ O ₃ | 2% |
| K ₂ O | 1% |

