

# 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 1000/2000
Grain size	(mm)	EN 933-1	1 - 2
Loose bulk density	(kg/m <sup>3</sup> )±15%	EN 1097-3	220
Particle density	(kg/m <sup>3</sup> )±15%	DIN V 18004	370
Compressive strength	(MPa)	EN 13055-1	>2.4
<b>Chemical properties</b>			
Chloride	(wt %)	DIN EN 1744-1	< 0.01
Acid-soluble sulfate	(wt %)		< 0.1
Total sulfur	(wt %)		< 0.1
<b>Other properties</b>			
Thermal conductivity	(W/(mK))	DIN 52612-1	-
Water vapour diffusion resistance, $\mu$		DIN 52615	-
1h water absorption	(wt %)		1.71
24h water absorption	(wt %)		7.63
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 <sub>2</sub>	73%
Na <sub>2</sub> O	13%
CaO	8%
MgO	3%
Al <sub>2</sub> O <sub>3</sub>	2%
K <sub>2</sub> O	1%

