

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 500/1000
Grain size	(mm)	EN 933-1	0.5 - 1
Loose bulk density	(kg/m ³)±15%	EN 1097-3	250
Particle density	(kg/m ³)±15%	DIN V 18004	450
Compressive strength	(MPa)	EN 13055-1	>2.6
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	-
Water vapour diffusion resistance, μ		DIN 52615	-
1h water absorption	(wt %)		1.59
24h water absorption	(wt %)		8.5
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%

