



GEOCELL Foam Glass Aggregates are 100% recycled glass aggregates that are used for construction, landscaping, engineering and insulation.

In addition to the Foam Glass Insulation Aggregate used for our GlassCrete floor systems and the GROUNDFOAM Glass Aggregate for civil engineering projects, we also supply GEOCELL Foam Glass Bubbles.

GEOCELL Foam Glass Bubbles are versatile insulating beads which can either be used with a binder (such as natural hydraulic lime or cement), or on their own.

They have many of the same applications and qualities as more conventional materials such as Vermiculite, but have the advantage of being non-absorbent. This means that they are fast drying, non-wicking and breathable, and when used as loose insulation they do not retain moisture.

Prices

	100 litre Bag	2m ³ Bulk Bag
2-4 mm Foam Glass Bubbles	£21.20	£396.30
4-8 mm	£21.20	£396.30

Prices exclude VAT and delivery

Uses

GEOCELL Foam Glass Bubbles have the following uses:

	Product	
	GEOCELL Foam Glass Bubbles	Vermiculite
Acoustic insulation	✓	✓
Pipe and duct insulation	✓	✓
Plasters and fireproofing	✓	✓
Packaging	✓	✓
Lightweight concretes and screeds	✓	✓
High temperature insulation	✓	✓
Chimney lining	✓	✓
Backfill for firebacks	✓	✓
Loose fill insulation	✓	✓
Absorbing liquid wastes, e.g. oils, acids, alkalis	✗	✓
Lightweight drainage for balconies & roof terraces	✓	✗
Lightweight insulation for roofing structures	✓	✗
Horticulture	✗	✓



Properties

GEOCELL Foam Glass Bubbles use 100% post consumer recycled glass, and have the following qualities:

	Product	
	GEOCELL Foam Glass Bubbles	Vermiculite
Lightweight	✓	✓
Free Flowing / Pourable	✓	✓
Non combustible	✓	✓
Moisture resistant	✓	✗
Dust free	✓	✗
Absorbent	✗	✓
High Temperature Insulation	✓	✓
Low density	✓	✓
Pressure resistant	✓	✓
Resistant to chemicals	✓	✓ can be used to soak up spills
Sound absorption	✓	✓
Heat resistant	✓	✓
Frost resistant	✓	✓
Dimensionally stable – no material shrinkage or swelling	✓	✗
Fast drying	✓	✗
Capillary action	✓	✗

Technical Information

	Product			
	GEOCELL Foam Glass Bubbles		Vermiculite	
Density	Dry bulk, loose fill	190kg/m ³	Dry bulk, loose fill	85kg/m ³
	Bound fill	290kg/m ³	Bound (6:1)	480kg/m ³
Thermal Conductivity	Loose	0.07 w/mK	Loose	0.063 w/mK
	Bound fill	0.07 – 0.09 w/mK	Bound fill	0.12 w/mK

For more information please go to our website <https://www.mikewye.co.uk/product-category/brands/geocell/>

Mike Wye & Associates – Sustainable, Natural & Traditional Building & Decorating

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