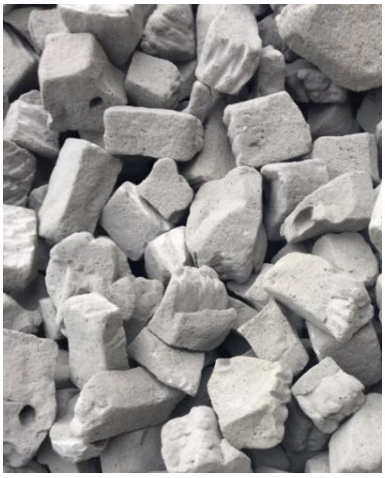
UL-FGA

Ultra-Lightweight Foamed Glass Aggregates



Ultra-Lightweight foamed glass aggregates (UL-FGA) are produced from 100% recycled glass. The manufactured aggregate produces a material that is an insulator, free draining, waterproof, rot resistant, acid and chemical resistant, and noncombustible.

Uses include lightweight embankments, load distribution platforms, insulating backfill and reducing lateral loads behind retaining walls and structures.

AeroAggregates – FG-G15 Properties

THERMAL CONDUCTIVITY				
Thermal Conductivity (dry)	0.08 W/mK			
Thermal Conductivity (wet)	0.11 W/mK			
PHYSICAL PROPERTIES				
Bulk Density[1]	220	kg/m^3	14	pcf
Compacted Density[2]	320	kg/m^3	20	pcf
Particle Size[3]	10 - 60	mm	0.4 - 2.3	inches
Shear Strength	**Normal Stress**	**Peak Friction Angle**	**Peak Cohesion**	
	up to 57.5 kPa (1,200 psf)	56°	2.1 kPa (43 psf)	
	144 to 426 (3,000 – 8,800 psf)	31°	51.5 kPa (1,075 psf)	
Angle of repose	45°			
Permeability	4.4x10^{-2}	m/s	0.144	ft/s

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Freeze/Thaw	Frost Resistant
Capillarity	Capillary break
Environmental	Non leaching, anti-aging, rodent, bacteria and rot resistant
Fire Resistance	Incombustible
Alkali Resistance	Long term stability, no damage to concrete

[1] Uncompacted bulk density

[2] Compaction factor 1:1.2

[3] As received prior to compaction

[4] Free water on the particle surface

The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.aeroaggregates.com. AeroAggregates accepts no responsibility for the results obtained through application of this product. AeroAggregates reserves the right to update information without notice.

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TDS FG G15, 12/16

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