

TECHNICAL SPECIFICATIONS SHEET

PRODUCT NAME: glasmedia

GRADE 1 0.5MM- 1.0MM

PRODUCT DESCRIPTION: Cleaned and dried (<0.2% moisture) graded sodium silicate glass sand made from container glass cullet.

PRODUCT APPLICATION: It is carefully graded for use in a wide range of products, including formulated mortars, plaster renders, abrasive blasting and water filtration.

COMPOSITION: Produced from mixed colour recycled container glass

PARTICLE SHAPE: Sub-angular granular

COLOUR: Mixed colour glass (Green, Clear, Amber, Blue Dark, Blue)

SIEVE ANALYSIS

Specific Gravity	2.5
Bulk density (uncompacted)	1.24 tonnes/cu m
Bulk density (packed)	1.45 tonnes/cu m
Nominal effective size	0.51 - 0.70 mm
Uniformity coefficient	<1.5

Sieve size mm	Cumulative % passing	Cumulative % Retained	Specification
1.18	100	0	0 - 0.5
1.00	98	2	0 - 5
0.85	78	22	10 - 40
0.71	39	61	25 - 90
0.50	4	96	95 - 100

TYPICAL CHEMICAL COMPOSITION (MIXED GLASS)

Oxide	SiO ₂	MgO	K ₂ O	TiO ₂	Fe ₂ O ₃	SO ₃	Na ₂ O	CaO	BaO	Al ₂ O ₃	Cr ₂ O ₃
Wt%	72.2	0.45	1.65	0.06	0.07	0.16	13.3	10.9	0.04	1.50	0.02

MINOR COMPONENTS

Organic Matter Non-Ferrous Metals	500ppm max 20ppm max	Magnetic Materials Inorganic Material	50ppm max 50ppm max
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