

Technical Specification Sheet



Product Name: **EGFM**

Grade I 0.5mm – 1.0mm

Product Description: Washed and dried ($\leq 0.2\%$ 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 (un-compacted)	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	500ppm max	Magnetic Materials	50ppm max
Non-Ferrous Metals	20ppm max	Inorganic Material	50ppm max

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