

# Technical Specification Sheet



**Product Name:** **EGFM**

**Grade 3 3.0mm – 6.0mm**

**Product Description:** Cleaned 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

<b>Specific Gravity</b>	2.4 – 3.6mm
<b>Bulk density (un-compacted)</b>	1.473 tonnes/cu m
<b>Bulk density (packed)</b>	1.537 tonnes/cu m
<b>Nominal effective size</b>	1.46 – 1.84 mm
<b>Uniformity coefficient</b>	< 1.11

Sieve size mm	Cumulative % passing
6.3	100.00
5	83.50
4.5	76.40
4	50.70
3	4.28
6.3	100.00

## Typical Chemical Composition (mixed glass)

Oxide	SiO <sub>2</sub>	MgO	K <sub>2</sub> O	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	SO <sub>3</sub>	Na <sub>2</sub> O	CaO	BaO	AL <sub>2</sub> O <sub>3</sub>	Cr <sub>2</sub> O <sub>3</sub>
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