

# ECR GLASSFLAKE MICRONISED Grade GF001



## Technical Information

Extra Corrosion Resistant Glassflake is manufactured from a modified C glass

### Chemical Analysis

SiO <sub>2</sub>	=	64 - 70%
K <sub>2</sub> O	=	0 - 3%
B <sub>2</sub> O <sub>3</sub>	=	2 - 5%
ZnO	=	1 - 5%
Na <sub>2</sub> O	=	8 - 13%
MgO	=	1 - 4%
CaO	=	3 - 7%
Al <sub>2</sub> O <sub>3</sub>	=	3 - 6%
TiO <sub>2</sub>	=	0 - 3%

*Glass composition may vary  
slightly from batch to batch*

### Physical Properties

Apparent Density (H <sub>2</sub> O=1)	0.35
Real Density (H <sub>2</sub> O=1)	2.60
Softening Temperature DIM 52324	688 <sup>o</sup> C
Melt Temperature (molten - flow)	930 - 1020 <sup>o</sup> C
Refractive Index	1.52

### Particle Size Distribution

>150µm	2% or less
150 - 50µm	10% or less
<50µm	88% or more

### Thickness

The thickness of the glass is 1.0 - 1.3µm

### Surface coatings

Glassflake materials are offered with the option of surface pre-treatment with a range of silane silane coupling agents, listed below :

3-Aminopropyltriethoxy Silane  
Vinyl trimethoxy Silane  
γ-Glycidoxypropyltrimethoxy Silane  
Methacryloxypropyltrimethoxy Silane

### Packaging

GF001 is packed in 25kg (net.) anti-static, antislip, heat sealed PE sacks  
Bulk shipments are further packed in pallet boxes containing 20 sacks (500kg net.)  
Pallet box dimensions are 1200 x 1100 x 800mm

Glassflake Ltd., Stafford Street, Off Hunslet Road, Leeds. LS10 1PW  
Tel: +44 (0) 113 2703615 Fax: +44 (0) 113 2718750  
[www.glassflake.com](http://www.glassflake.com)

GF001 : April2008 v1.0