

# ECR GLASSFLAKE MICRONISED Grade GF003



## 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)	0.70
Real Density (H <sub>2</sub> O=1)	2.60
Softening Temperature DIM 52324	688°C
Melt Temperature (molten - flow)	930 - 1020°C
Refractive Index	1.52

### Particle Size Distribution

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

### Thickness

The nominal thickness of the glass is 2.3 - 3.3µm

### Oil Absorbtion g/100g

Range 110-130

ASTM D281-12

### Surface coatings

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

3-Aminopropyltriethoxy Silane

Vinyl trimethoxy Silane

γ-Glycidoxypropyltrimethoxy Silane

Methacryloxypropyltrimethoxy Silane

### Packaging

GF003 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

Should further information regarding this product be required, please consult Glassflake Technical Services.