

Product information

MICROGLAS GLASS FLAKES

for corrosion resistance
with and without silane surface treatment

Characteristic and use:

Requirements to longtime anticorrosive varnishes become more and more important, f.e. in chemical industries. The durability of conventional dispersions is not available as necessary because of an absent filler.

MICROGLAS GLASS-FLAKE have been developed as an additive for nearly all well-known anticorrosive recipes, to protect still better against mechanical and chemical influences. MICROGLAS GLASS-FLAKES are microfine glass plates. Using these plates, a kind of armouring in the dispersion comes into being. This structure produces a durable compound between all molecules and is neutralizing the extensions, e.g., by fluctuation in temperature. Arrangement and architecture of these glass plates simultaneously increase the film gravity and reinforce the varnish surface. Moreover, the capillary effect will be stopped: Neither fluid nor vapour can infiltrate the varnish.

Standard sizes:

| | RCF 600 (1/8 inch) | RCF 160 (1/64 inch) | RCF 015 |
|-----------|---------------------------|----------------------------|----------------|
| thickness | ca. 5 µ | ca. 5 µ | ca. 5 µ |
| size | ca. 45-1700 µ | ca. 45-300 µ | ca. 45 µ |

special screening possible on request

Technical properties:

| | |
|-------------------------------|------------------------------|
| Glass type | borosilicate glass (C-glass) |
| Density (spec.gravity) | 2,52 g/cm ³ |

Chemical composition:

| | | | |
|------------------------------------|----------|-------------------------------|--------|
| SiO ₂ | 65 - 70% | B ₂ O ₃ | 2 - 7% |
| Na ₂ O/K ₂ O | 9 - 13% | MgO | 0 - 5% |
| CaO | 4 - 9% | ZnO | 1 - 6% |
| Al ₂ O ₃ | 2 - 6% | | |

Packing:

- 20 kg in a paper-bag, 1 bag in a carton
- RCF 600 = 280 kgs/pallet (size 110x110x115 cm)
- RCF 160 = 560 kgs/pallet (size 110x110x115 cm)
- RCF 015 = 960 kgs/pallet (size 110x110x115 cm)

Storage:

in dry rooms

Subject to change - All information is given in good faith but without warranty. We cannot accept responsibility or liability for any damage, resulting from the use of this information