

“Ameriflake” Product Data Sheet

01/10/2012

Product Description and Intended Use

“Ameriflake” glass products are offered for use in applications ranging from corrosion resistant coatings, to polymer reinforcements, to specialty pigments, and many others. When properly used, glass flakes have been shown to increase the chemical resistance of coatings, improve the dimensional stability of moldings, reduce surface waviness, and provide a unique substrate for pigment deposition, etc. New uses for glass flakes are still being found thanks to their unique ability to be engineered to a wide range of specifications.



Product Offerings

“Ameriflake” products are currently available in a corrosion resistant “C”-type of glass composition in three particle sizes, two thicknesses, and four surface treatments. Below is a brief product description.

Product Designation	Nominal Flake Thickness (microns)	Bulk Density (lbs/ft ³)	Particle Size Distribution (microns)	Surface Treatment	Packaging lb (kg)
ACF-100	5 ± 1	26 ± 5	< 150 (0-20%) 150-300 (10-50%) 300-710 (30-60%) 710-1700 (0-30%) > 1700 (0%)	None	Kraft bag 44 lb (20kg) Pallet 968 lb (440 kg)
ACFT*-100	5 ± 1	26 ± 5	Same as ACF-100	Silane-see below	Same as ACF-100
ACF-200	5 ± 1	42 ± 5	< 106 (20-50%) 106-150 (10-30%) 150-300 (15-45%) 300-710 (0-10%) > 710 (0%)	None	Kraft bag 44lb (20kg) Pallet 1,320lb (600kg)
ACFT*-200	5 ± 1	42 ± 5	Same as ACF-200	Silane-see below	Same as ACF-200
ACF-300	5 ± 1	55 ± 5	< 45 (70-100%) 45-53 (0-30%) > 53 (0%)	None	Kraft bag 44 lb (20kg) Pallet 1,760 lb (800kg)
ACFT*-300	5 ± 1	55 ± 5	Same as ACF-300	Silane-see below	Same as ACF-300

***Resin Compatibility of Standard Treatments**

T1 – Polyurethane: T2 – Vinylester: T3 – Epoxy: T4 – Polyester

In addition, tailored silane treatments may be specified. Ameriflake prides itself on the ability to custom engineer its flake products via manipulations of flake composition, flake physical dimensions, and/or flake surface treatment. Let your “Ameriflake” representative know of your special needs.

If you would like samples or have technical inquiries, please contact an Ameriflake representative at 740-587-3262.

ISORCA Inc. provides the physical and chemical properties of Ameriflake products as a technical service and is subject to change without notice. Data represents typical, average values obtained with standard sampling and test methods used at the time of manufacture. No warranty is expressed or implied. Contact your ISORCA Inc. representative for specification updates.