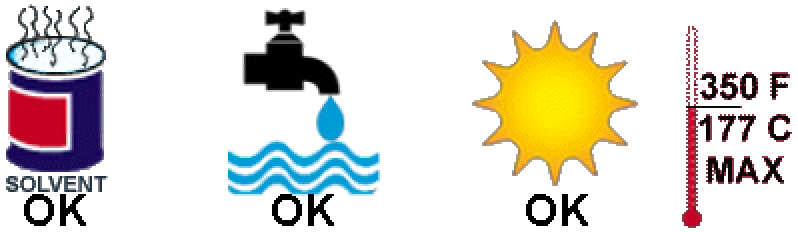
Poly*Flake



APPLICATIONS LIST FOR POLY*FLAKE

1. Boating and other Fiberglass or Gelcoat applications: Boats, Carnival Ride Cars, Pre-fab Domes for Churches
2. Fishing Lures
3. Crayons
4. Finger Paints, (coated silver)
5. Fabric Adhesives for decorating clothing (permanent). Clothing, sneakers
6. T-Shirts, (silk screened) mixed with Plastisol. (.008 is most popular size)
7. Ceramics (after firing)
8. Christmas Ornaments and Decorations
9. Inks & Paints
10. Clear Adhesives, (for children's use, can be washed off)
11. Glitter Pens (mixed with adhesive)
12. Rubber Stamp Kits
13. Fabric Printing (Flocking)
14. Floral Decorations (Artificial, Dry, Live)
15. Candle Decorating
16. Flooring
17. Wallpaper
18. Posters & Displays
19. Inside Balloons
20. Greeting Cards

TECHNICAL DATA - WATER & SOLVENT RESISTANT POLY*FLAKE

Glitterex Polyester Flake was specifically designed to meet the requirements of manufacturers of decorated fabrics, adhesives, vinyl, sheeting, plastic molding, inks, paints, and many other products, which require glitter of outstanding physical and chemical properties.

The following is a list of some of the varied extensive testing Poly*Flake as been exposed to:

LIGHTFASTNESS: A minimum of 400 hours in Atlas Fade-Ometer elapsed before any discernible change in color occurred. Samples were exposed to standard 148°F black panel temperature and 90% relative humidity. In addition to laboratory testing, tests were conducted in Miami, Florida in which samples of Poly*Flake were exposed to the sun and elements for 18 months. No barriers such as glass or plastic films, which would have had the effect of shielding the samples from ultra-violent rays, were used. Under these conditions of maximum exposure to semi-tropical sunlight, there was no discernible change in color, nor was there any reduction in brilliance after 18 continuous months, at which time the tests were discontinued.

TEMPERATURE RESISTANCE: Although Poly*Flake has endured exposure to 350°F with no apparent loss of color or reflective quality, the actual limit of resistance is dependent upon dwell time, mixing abrasion, and ambient process temperature.

SUSPENSION PROPERTIES: Because Poly*Flake has a significantly lower specific gravity than most liquid or gel mediums where it is incorporated, it will remain in suspension more uniformly during process application.

CHEMICAL RESISTANCE: Poly*Flake has proved highly resistant to most commonly used commercial, solvents, such as water, MEK, MIBK, alcohol, and high flash naphtha. Because of this excellent solvent resistance, this glitter can be used in most solvent, acrylic, vinyl, and aqueous systems.

LIMITATIONS:
(1). Each chip of glitter has a minute edge of exposed aluminum created when the particle is cut from the sheet. Therefore, caustics and all chemicals normally affecting pure aluminum could react with this exposed edge. This does not preclude use of this glitter with these chemicals, however, since the short duration of most industrial processes may not afford enough time to cause significant damage to the finished product. It is advised that contact be checked carefully.
(2). Concentrated sulfuric acid will cause separation of the coating from the foil.
(3). Poly*Flake should be experience tested prior to application.

COLOR ADHERENCE: The coatings used to produce Poly*Flake are formulated, applied and thermoset to create a coating with superb strength and with excellent adhesion to film. Standard tests applied to the coated foil are: Cellophane tape strip test, 180 fold and crease test, and wrinkle test. Under all of these examinations, no separations occurred between the coating and the foil. In addition to excellent adherence of the coating to the foil, it is equally important that the colors are resistant to migration or bleeding into surrounding medium. Because the finest available transparent pigments are used, the colors are highly resistant to migration.

COLORS: A beautiful spectrum of brilliant colors are available for Poly*Flake. Samples are available on request.

TOXICITY: Poly*Flake by Glitterex is a coated aluminum metallized Polyethylene Terephthalate, and is formulated to be Non-Toxic.

QUALITY: Poly*Flake undergoes thorough quality control in all stages of production. The vacuum metallized polyester film, and coating are checked for gauge, brightness, color match,

solvent resistance and coating adherence. The glitter is then precision cut on specially developed high-speed machines with extreme accuracy. Size and shape of the glitter is checked at frequent intervals. After cutting, the glitter is carefully sifted through screens, two or more times to remove any oversized or unseparated pieces.

Glitterex Corporation
7 Commerce Drive
Cranford, NJ 07016 U.S.A.
Tel: (908) 272-9121 Fax: (908) 272-9191