

## Overview:

Cat-i's Standard frit inks are fused to glass at high temperatures. The inks are made up of various metals (bismuth, zinc, titanium dioxide and other metals) and glass particles that when heated over 600C° melt and become part of the top layer of glass. All Cat-i frit inks are RoHS compliant.

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## Material Specifications:

Frit inks are very difficult to color match and can take up to 3 months to get a proper match completed. Most colors used for frit inks are black, white and gray. There are some colors frit inks available but they are limited and not vibrant. If a color match is requested for a frit ink Cat-i will determine if it is possible to color match.

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Frit inks are non-conductive and are the most durable ink on the market. Frit inks can withstand almost every cleaning agent on the market and cannot be scratched. If using a corrosive cleaning agent the frit will react due to the metals in the ink.

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Frit inks can withstand extremely high temperatures for long periods of time. So long as the glass can withstand the temperature the inks can. Frit inks do not fade due to extended UV exposure.

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Ink Thicknesses: can vary depending on mesh counts and ink layering stack ups.  
Standard Ink Thickness = .0015" - .003" per layer

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Ink Colors: Limited color selection and color matching

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