

CERAMIC FRIT VS. OPACI-COAT-300®

	CERAMIC FRIT	OPACI-COAT-300®
Manufacturing Process	Ceramic clay applied to glass is heated to 1,100°F (600°C) and becomes fused to the glass.	50% silicone, 50% water solution is sprayed, roller coated, or curtain coated onto glass and dried by evaporation of water (either ambient or oven), curing the silicone to the surface of the glass.
Life Expectancy	Unlimited, because the frit is fused to the glass.	Unlimited. Silicones have an excellent track record in construction. OPACI-COAT-300® has been in use for more than twenty years.
Resistance to Ultraviolet	Ceramic frit does not break down when exposed to ultraviolet rays.	OPACI-COAT-300® does not break down when exposed to ultraviolet rays.
Fall Out	Ceramic frit has no ability to help glass remain in an opening when broken.	Silicone bonds with the glass and will hold broken glass in an opening when applied at a wet film thickness of 13 mils.
Repair	Cannot be repaired if frit surface is damaged.	Silicone surface can be repaired in the field if scratched, or touched up if coverage has noticeable light areas from the exterior.
Color Match	Matches very well with dark colors. Can have noticeable lines or streaks in light colors. Most reds and yellows are impossible.	Exceptional color matching capabilities (including reds and yellows) with three day lead times on most sample and production orders.

CERAMIC FRIT VS. OPACI-COAT-300® cont.

CERAMIC FRIT

OPACI-COAT-300®

Environmental

Contains solvents and other heavy metals that create concerns regarding hazardous material disposal.

Does not contain any environmentally hazardous ingredients. No lead or heavy metals. We are Green!

Warranty

5 years by fabricator

10 years

Metalized Glass Coatings

Ceramic frit cannot be applied to the reflective surface of the glass.

OPACI-COAT-300® may be applied to a wide variety of reflective glass as well as pyrolytic glass surfaces.

Color Predictability

Ceramic frit is applied to spandrel glass then subjected to very high heat which may cause unwanted changes in the desired color.

OPACI-COAT-300® is applied to glass after tempering, which prevents color shifts brought about by very high heat. Therefore, the use of OPACI-COAT-300® may result in a more predictable, desirable color for spandrel glass. Benefits are realized in the initial spandrel glass creation for all potential replacement lites.