ICD
High Performance Coatings

When Color Matters

Frit vs. OPACI-COAT-300

Ceramic Frit vs OPACI-COAT-300®

CATEGORY	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 3 day lead times on most sample and production orders.
Environmental	Contains solvents and other heavy metals that create hazardous materials disposal concerns.	**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 wide variety of reflective as well as pyrolitic glass surfaces.**