



Technical Bulletin

DurCeram DS

Durable Glass & Tile Decorating System

Polymeric's DurCeram DS has been specifically formulated for the custom glass and tile decorating market. DurCeram DS is ideal for one of a kind glass and tile graphic reproduction and is also suitable for industrial, architectural and durable fine art reproductions. DurCeram DS is an extremely durable construction, making the final graphics virtually impervious to both indoor and outdoor exposure. DurCeram DS is available for both screen and digital applications. DurCeram DS meets and exceeds all ASTM requirements.

- DurCeram's applications include porcelain, marble, ceramic, granite and most cut aggregate stone.
- Excellent glass adhesion as well as good optical clarity.
- Excellent water and chemical resistance make DurCeram DS is ideal for shower & tub enclosure as well as backsplash applications.
- DurCeram DS offers unlimited graphic, design and decorating possibilities, from photographs and mosaics, to fine art.

APPLICATION: PREP & PRINTING PROCEDURES

1) Degreaser Bath:	Dip, spray, brush or roll #DS-3193 degreaser/primer and let dry for 5 minutes. DS-3193 can be force dried at up to 350F. It is recommended that tile or glass be decorated within 48hrs after initial degreasing.
2) Decorating:	When using DurCeram UV screen inks, 355 - 380 mesh is recommended. When using the DurCeram UV digital inks, it is recommended that presses using the Spectra Class heads are used.
3) Final Gloss/Non-Slip Clears (Solvent-based):	<p>Cure Parameters: DurCeram UV Screen 1 - 300 watts per in. mercury vapor lamp minimum, with at least 300 - 350mjs. DurCeram UV Digital 40%-60% both lamps. Mesh recommendations for the Gloss clear is 195 - 230. Mesh recommendation for the non-slip clear is 110.</p>
4) Cure Parameters:	Once final coat is applied, product can be air dried for 24-hrs or baked at 185C for 15 - 17 minutes.

Due to the nature of the materials this product is designed for, it is critical to pretest this product on each individual lot of material to insure the suitability of the product for its intended use.

Effective 01/14/08

More than a shade superior