CeramiGlass™
INNOVATION

FINALLY, A HEALTHY, GREEN ALTERNATIVE TO CERAMIC ENAMEL!

ZERO VOC'S
Yes, ***none***.

NO VOC BURN OFF
Oven ventilation systems may be unnecessary.

NO VOC BOILING
Eliminates splatter of ceramic enamel that hardens on oven rollers.

ZERO HEAVY METALS
Including lead and mercury.

WATER-BASED COATING.
Eliminating solvent use with an easy water clean-up.

COST EFFECTIVE
May reduce Manufacturing clean-up and disposal costs.

CeramiGlass™
INNOVATION

TO LEARN MORE ABOUT CERAMIGLASS PLEASE VISIT:
www.icdcoatings.com

7350 South Union Ridge Parkway
Ridgefield, Washington USA 98642
PHONE: 1.360.546.2286
FAX: 1.360.546.2287
EMAIL: ICD@ICDCoatings.com
WEB: www.ICDCoatings.com

Alptech
WEB: www.alptech.co.kr
PHONE: +82-31-695-7201

Components
WEB: www.components.com.br
PHONE: +55-47-3631-0131

ICD European Activity, S.L.
PHONE: +34-957-32-55-50

KO-glas
WEB: www.koglas.si
PHONE: 00386/ 2 80 50 170

APPLIANCE • AUTOMOTIVE

ICDCOATINGS.COM

EVERLASTING *Impressions!*

CeramiGlass™
INNOVATION

THE ULTIMATE COATING FOR:

APPLIANCE & AUTOMOTIVE

ICD
HIGH PERFORMANCE COATINGS
WHEN COLOR MATTERS

AVAILABLE COLORS

COLORFUL IMPRESSIONS! EVERLASTING

- Vast color range
- Durability (at 9H Hardness) as hard as ceramic enamel, but it isn't frit
- Ability to be used in screen based applications, for holes, dots, lines and other light diffusion options

APPLIANCE

WHY USE CERAMIGLASS™ OVER CERAMIC ENAMEL AS THE DESIGNS ON APPLIANCE GLASS?

- Green Strength - Very high abrasion resistance after passing through a low temperature drying oven, minimizing scratch defects.
- More opacity with less material applied - Commonly, a manufacturer can coat more glass with one kilogram of CeramiGlass™ versus one kilogram of ceramic enamel.
- When applied on glass at a 12.7µm (0.5 mil) wet application, a manufacturer may bypass the drying oven and place coated glass directly into the tempering oven. This may reduce energy and labor usage.

AUTOMOTIVE

WHY USE CERAMIGLASS™ OVER CERAMIC ENAMEL AS THE OBSCURATION BAND ON TRANSPORTATION GLASS?

- Cure Temperatures - Fully cured at 370°C (698°F) or 650°C (1202°F).
- Energy Usage Reduction - Depending on production processes employed, use of CeramiGlass™ may significantly reduce plant energy cost.
- Green Strength - Ceramic enamel has to achieve enough "green strength" through very high heat, to go into the front/side windshield bending process. At low heat CeramiGlass™ has developed enough "green strength" and will not crack or cause ANY issues in the bending process:
  - No ink transfer from an uncured product, as ceramic enamel often shows. In surface #2 applications, CeramiGlass™ can withstand the bending process with no defects after being exposed to moderate heat - 177°C (350°F).
  - No clip, tong, or mold marks from the bending process. CeramiGlass™ is already cured!
- Production Speed Enhanced - Depending on production processes employed, use of CeramiGlass™ may increase production speed.
- Water Clean-Up - CeramiGlass™ cleans up easily with warm water.

WHY DO AUTOMOTIVE DESIGNERS LIKE CERAMIGLASS™ FOR THEIR WINDOW DESIGNS?

- More opacity with less material
- CeramiGlass™ application = 20.3µm (0.8 mil)
- Ceramic enamel application = 30.5µm – 35.6µm (1.2 mils - 1.4 mils)
- CeramiGlass™ generally weighs less than ceramic enamel in obscuration band applications.
- No optical distortion burn line as seen in ceramic enamel obscuration bands.
- CeramiGlass™ lessens distortions that help improve the look of Heads Up Displays (HUDs).

ICDCOATINGS.COM