



Innovative Ceramic Corporation

Creative Solutions to Product Identification & Decoration

Process Variables That Determine Requirements For DuraFire™ Marking Inks

Product Materials (substrate): High Alumina Aluminum Nitride Aluminum Silicate Calcium Silicate Calcium Aluminum Silicate Calcium Silicate Board Cordierite Kyanite Mullite Fused Silica Silicon Carbide Silicon Nitride Steatite Titanium Carbide Zircon Zirconium Silicate Other _____

Make Process: Slip Cast Casting Extrusion Dry Pressing Slurry Other (Please specify) _____

Particle Size: 100 mesh 180 mesh 200 mesh 325 mesh Other _____

Imprint Application: Green state Wet or Dried Before glaze After glaze Bisque After fire Other

(Please specify) _____ Brush Spray Stencil Rubber Stamp Pen Other _____

Fired Temperature _____ Hold Temperature & Time _____ Pyrometric Cone _____

Application Temperature _____ Porosity _____ % Absorption _____ % Ink Color _____

Testing: Maximum Sample Size 3.5 inches (89 mm) in any one direction. **Sample size larger will not be tested.**

Please provide technical data sheets on all products using DuraFire™ Marking Inks along with this form.