LSI Ink is a ready to use water-based, totally inorganic white ink that is designed to produce a tough, abrasion-resistant and water-resistant coating on all substrates. The LSI Ink is ideal for marking and identification of parts, and is usable to 1472 F (800 C). Note that thinner coatings give the best results.

**Key Attributes**

- Adherent to metals and ceramics with thermal cycles.
- Completely water insoluble after heating to approx. 125 C for 3 hrs.
- Minimal outgassing on heatup … with water as the species evolved.
- High-temperature stable. Does not glaze, melt, run, become tacky or chalk off.
- Easily applied, like house paint
- Water-based; utensils are readily cleaned up with water [before drying]
- Highest flexibility

**Ideal Use**

- Marking/Identification/Coding of parts being heat-treated
- Marking/Identification/Coding of tags used at high-temperatures
- Providing a water-insoluble mark or coating on a substrate

**Use Notes**

1. Resuspend the paint
2. Clean surface of oil, dirt, scale etc.
3. Apply a thin layer by air-spray or brush
4. Allow to dry before use.
   
   NOTE: Water insolubility requires drying at 125 C or higher. Can be achieved by spraying onto a warm substrate or using heat lamp or dryer.

**Safety Information**

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For industrial use only.
- Avoid Freezing

**Specifications**

- **Active Ingredients**: TiO₂, Li₂O, SiO₂
- **Max Use Temperature**: >1472 F / >800 C
- **Use Atmosphere**: All
- **Fired Composition**: Proprietary
- **Liquid Carrier**: Water
- **Brookfield Viscosity (cps)**: 167-227 @2/60
- **Specific Gravity**: 1.00
- **Color**: White
- **Shelf Life (months)**: >12
- **Coverage (ft²/gal)**: to 400
- **Coating pH**: 10-11
- **H F R Ratings**: 1-0-0
- **Substrate Use**: All
- **Other: Water Resistance**
  - After ambient-temperature drying ... Low
  - After 125 C, 3 hrs... High

**Sizes and colors**

- LSI Ink is a white-colored paint.

  **Standard Sizes:**
  - 1 gallon pail
  - 5 gallon pail

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CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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