

## **Pad Print Machinery of Vermont Ink Data Sheet**

### **PLT4G Data Sheet**

Epoxy-based, Two-component Ink

**Characteristics:** PLT4G is a two-component ink that is dust dry in about 20 minutes. This ink has a semi-gloss to high gloss finish depending on the printing surface.

**Applications:** Glass and ceramics, ferrous and non-ferrous metals. Good results also obtained on thermo-setting materials.

**Preparation:** As a two-component ink, PLT4G must be mixed with PLHG hardener and thinner before use. Mix in ratio of 20 parts ink to 1 part PLHG hardener. Thin and mix well with PLTB thinner in a portion of 10-20% maximum.

In warm climates and in the presence of fine details or screened images, the use of PLTD retarder in a very small percentage is recommended.

**Warning:** The life of the two-component mixed ink is 8-10 hours after which the mechanical-chemical resistance and adhesion decrease. This is also dependent on room temperature and ratio of solvent(s).

**Drying:** Room temperature approximately 10-15 minutes. We recommend post-curing the ink using an oven at 300°F for 10 to 20 minutes.

**Clean-up:** PLTEBD recommended for cleaning plates or tools used to mix inks. Wipe with thinner afterward to remove residue left by EBD cleaner.

**Storage:** PLT4G has a shelf life of about 2 years. Storage containers should be sealed and placed in a cool dry place.

PLHG hardener should not be stored for long periods. The cans should be closed immediately after use, otherwise the hardener will become thick and useless.

**Colors:** Available in 24 standard colors as well as process colors.

**Additives:** PLHG Hardener  
PLTB Thinner  
PLTD Retarder