

TECHNICAL DATA SHEET IM-500 Pad Printing Ink

IM-500 is a semi-gloss, medium opaque, one or two component elastic ink. When fully cured, it provides outstanding resistance to mechanical wear and normal weathering. Increased abrasion and product resistance can be expected when used as a two-component system.

USE INSTRUCTIONS

*** Read Material Safety Data Sheets Prior To using ***

IM-500 is a single or two component product supplied in a paste form.

Single Component:

Thinner (if needed) should be thoroughly mixed with the ink prior to using. During printing, the ink viscosity may be adjusted with thinner.

Two Component:

Ink and hardener should be thoroughly mixed prior to adding thinner (if needed). During printing, the ink viscosity may be adjusted with thinner.

Under most conditions, ink pot life will not exceed 8 hours.

A retarder may be added to slow drying rate during printing. (normally for high room temperatures or multi-color use) Recommended room temperature 70-78 degrees F. Recommended room humidity 30-50%.

ADDITIVES

*** See Ink Additives Chart for more listings ***

Hardener:

IM-H 10 : 1 Ratio by weight For most applications

Thinner:

IMT-FAST 1 To 15 % by weight Faster

IMT-MED 1 To 15 % by weight Medium

IMT-SLOW 1 To 15 % by weight Slower

Retarder:

IM-RT 1 to 3 % by weight For most applications

DRYING & CURING

IM-500 dries to the touch within 15-30 seconds at room temperature. Drying time (to the touch) may be reduced with forced hot air @ 200 - 400 Degrees F. Normally, full cure is achieved after 1 to 2 days depending on curing temperature, time, and humidity. Heat curing is necessary for better adhesion and performance results.

COLORS

*** Custom Colors Available Upon Request ***

IM-500 is available in:

* 20 Standard Opaque Colors

* Standard Metallic Colors

* Process colors

Our IM Series Inks conform to US C.O.N.E.G. Legislation and European Standard EN 71, part 3 Safety of Toys (1989) For special applications - examples, Medical, Automotive, MIL-STD please call.

USE & STORAGE INFORMATION

*** Read Material Safety Data Sheets Prior To Using ***

IM-500: Stir ink thoroughly before removing from container. Reseal lid tightly after using.

Shelf Life: 2 Years (Original sealed container)

HARDENER: Reseal container immediately after using. Hardener is humidity sensitive. As moisture is absorbed the viscosity first increases, then forms crystals. Do not use when crystals first appear.

Shelf Life: 1 year (Original sealed container)

THINNER: Reseal lid tightly after using.

Shelf Life: 2 years (Original sealed container)

RETARDER: Reseal lid tightly after using

Shelf Life: 2 years (Original sealed container)

ADDITIVES: Reseal lid tightly after using

Shelf Life: 2 years (Original sealed container)

STORAGE OF PRODUCTS: At room temperature 60 to 80 Degrees F with low humidity.

Imtran

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