

Pad Printing Ink

Type W

Ink Data Sheet

NOTE: Read Material Safety Data Sheet (MSDS) Prior To Use

Ink Type W is a two-component product supplied in paste form. Hardener must be added for production use. Ink and hardener should be thoroughly mixed prior to adding thinner. During printing, the ink viscosity may be adjusted with thinner (if needed). A retarder may be added to slow drying rate during printing (normally for high room temperatures or multi-color use). Under most conditions, ink pot life will not exceed four to six hours. Recommended room temperature: 70-78 degrees F. Recommended room humidity 30-50 %

ADDITIVES: (See Additives Chart for more listings)

Hardeners: (mixing ratio, ink to additive)

- BH HARDENER (2 : 1 or 3 : 1 depending on customer requirements; ratio by weight).

Thinners:

THINNER B (5 to 20 % by weight) Faster

VD THINNER (5 To 20 % by weight) Medium

THINNER BGA (5 To 20 % by weight) Slower

Retarder:

TPD RETARDER (1 To 3 % by weight)

DRYING & CURING:

Ink TYPE W dries to the touch within one to two minutes at room temperature. Drying time may be reduced with forced hot air at 200 – 400 degrees F. Normally, full cure is achieved after five to six days depending on curing temperature time; and humidity. Heat curing is necessary for better adhesion and performance results.

USE & STORAGE INFORMATION

(For more detailed information see Material Safety Data Sheet (MSDS) for Type W Ink.

Ink Type W: Stir ink thoroughly before removing from container. Reseal lid tightly after using.

Warranty Period: Two years from ship date (In original sealed container)

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

Warranty Period: one year from ship date (In original sealed container)

THINNER: Reseal lid tightly after using.

Warranty Period: two years from ship date (In original sealed container)

RETARDER: Reseal lid tightly after using.

Warranty Period: two years from ship date (In original sealed container)

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

AVAILABLE COLORS: (See Color Availability Chart)

Ink Type W is available in: 23 Standard Opaque Colors, Standard Metallic Colors, Process colors, Custom Colors Available Upon Request, C-Mix 2000 Color Matching System

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Recommended Printing Substrates:

Ø : Indicates substrate may require flame curing.

: Indicates substrate may require pretreatment.

THERMOPLASTICS

- Acrylonitrile-Butadiene-Styrene
- Polyphenylene Ether
- Polyoxymethylene -1 Ø
- Polymethyl Methacrylate
- Cellulose Acetate Butyrate
- Polyphenylene Oxide #
- Polyamides
- Polycarbonate
- Polyester
- Polyethylene #
- Polyphenylsulfone
- Polypropylene #
- Polystyrene
- Polysulfone
- Polyvinyl Chloride Rigid

THERMOSET

- Epoxy Resin
- Phenol Formaldehyde Resin
- Polyurethane, Rigid #

METALS

- Aluminum
- Anodized Metal
- Brass
- Chrome Plate
- Copper
- Iron
- Stainless Steel
- Titanium
- Miscellaneous Metals

MISCELLANEOUS SUBSTRATES

- Ceramic
- Glass
- Porcelain

FLEXIBLE PLASTICS

- Urethane, Flexible #

COATINGS & PAINTS

- Surlyn
- Miscellaneous Coatings & Paints

****Since operating conditions and applications are beyond our control, Trans Tech can not guarantee results, nor assume liability for any problem that may arise.**

The user should test the suitability of the product for its intended application. No warranty for results obtained, expressed or implied, can be assumed by Trans Tech.



Trusted Partner for Your Product Decorating Needs

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