

Pad Printing Ink

Type PK

Ink Data Sheet

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

Ink Type PK is a one or 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 eight hours. Recommended room temperature: 70-78 degrees F. Recommended room humidity 30-50 %

SPECIAL INFORMATION:

- Transfer pad life may be shorter with type PK ink.
- If using an ink pump system, ink replacement once per week is recommended. This is necessary because the ink sometimes hardens into little balls, and settles to the bottom of the pump.

SPECIAL ADDITIVES:

- For cliché oxidization / rusting problems use Anti-Corrosive Ink Thinners VD/00 OR B/01.
- For a Write-On Capable ink (single component), use Fuller 33 Additive.

ADDITIVES: (See Additives Chart for more listings)

Hardeners: (mixing ratio, ink to hardener)

- BH HARDENER (10 : 1 Ratio by weight) For most applications.
- BH/N HARDENER (10 : 1 Ratio by weight) More UV light and abrasion resistant but requires additional drying time.

Thinners:

THINNER B (5 to 20% by weight) Faster

THINNER B/01 (5 to 20% by weight) Faster, Anti-Corrosive

VD THINNER (5 to 20% by weight) Medium

VD/00 THINNER (5 to 20% by weight) Medium, Anti-Corrosive

THINNER BGA (5 to 20% by weight) Slower

Retarder: TPD RETARDER (1 To 3 % by weight)

Other: FULLER 33 6 % by weight For Write-On Capable Ink

AVAILABLE COLORS: (See Color Availability Chart)

Ink Type PK is available in: • 23 Standard Opaque Colors • Process Colors • Custom Colors Available Upon Request • C-Mix 2000 Color Matching System

USE & STORAGE INFORMATION

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

Ink Type PK:

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.

Pad Printing Ink

Type PK

Ink Data Sheet

Recommended Printing Substrates:

Ø : Indicates substrate may require pretreatment.

: Indicates substrate may require pretreatment.

THERMOPLASTICS

Acrylonitrile-Butadiene-Styrene

Polybutylene Terephthalate

Polymethyl Methacrylate

Polyphenylene Oxide #

Polyamides

Polycarbonate

Polyester

Polyetherimide

Polyethylene #

Polyethylene Terephthalate

Polyimide

Polyphenylene Sulfide

Polyphenylsulfone

Polypropylene #

Polystyrene

Polyvinyl Chloride Rigid

Styrene-Acrylonitrile

Styrene-Butadiene

THERMOSET

Phenol Formaldehyde Resin

Polyester Epoxy Resin

Polyurethane, Rigid #

Urea Formaldehyde Resin

METALS

Aluminum

MISCELLANEOUS

SUBSTRATES

Ceramic

Leather

Paper

Porcelain

Glass

Wood

DRYING & CURING:

Ink TYPE PK dries to the touch within 15 – 30 seconds at room temperature. Drying time may be reduced with forced hot air at 200 – 400 degrees F. Normally, full cure is achieved after one to two days depending on curing temperature time; and humidity. Heat curing is necessary for better adhesion and performance results.

COATINGS & PAINTS

Surlyn

Teflon Paint

UV Coating

Miscellaneous Coatings & Paints

OTHERS

Cellophane

Polycarbonate / ABS

Thermoplastic Polyester Resin

****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

Trans Tech 475 North Gary Avenue, Carol Stream, IL 60188

Tel +1 (630) 752 4000 Fax +1 (630) 752 4467

Email sales@itwtranstech.com

www.itwtranstech.com www.itwid.com

A MEMBER OF

 **IDS** | A Division of ITW