TRANSTECH

Pad Printing Ink
Type PH
Ink Data Sheet

***NOTE*:** Read Material Safety Data Sheet (MSDS) Prior To Use
Ink Type PH is a single or two-component product supplied in 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. 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 %

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-00 HARDENER (10 : 1 Ratio by weight) More ultraviolet light and abrasion resistant but requires additional drying time.
Thinners:
THINNER B (5 to 20 % by weight) Fast
VD THINNER (5 To 20 % by weight) Medium
CAN THINNER (5 To 20 % by weight) Medium; improves ink adhesion on soluble substrates.
BGA THINNER (5 To 20 % by weight) Slow
Retarder:
TPD RETARDER (1 To 3 % by weight)
DRYING & CURING:
Ink TYPE PH 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 two to three days depending on curing temperature time; and humidity. Heat curing may increase adhesion and performance results.

USE & STORAGE INFORMATION
(For more detailed information see Material Safety Data Sheet (MSDS) for Type PH Ink.
Ink Type PH:
Stir ink thoroughly before removing from container. Reseal lid tightly after using.
Shelf Life: One year (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.

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Recommended Printing Substrates:
Ø : Indicates substrate may require pretreatment.
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THERMOPLASTICS
Polyethylene # Ø
Polyethylene # Ø
Polyvinyl Chloride Plasticized

THERMOSET
Polyurethane, Rigid # Ø
Rubber

METALS
Copper

OTHERS
Viton

FLEXIBLE PLASTICS
Rubber # Ø
Sanoprene # Ø
Santoprene # Ø
Silicone # Ø
Urethane, Flexible # Ø
Miscellaneous Flexible Plastics

COATINGS & PAINTS
Softouch Paint # Ø
Surlyn
Softouch Sprayed Rubber # Ø

Miscellaneous Coatings & Paints

AVAILABLE COLORS:
(See Color Availability Chart)
Ink Type PH is available in:
- 16 Standard Opaque Colors
- Standard Metallic Colors
- C-Mix 2000 Color Matching System
- Custom Colors Available on Request

****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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