

FEATURES of E2 Non-Phthalate Mixing System

- High performance non-phthalate plastisol color mixing system for 100% cotton dark fabrics.
- Creamy, short body for easy printing.
- Tack free formulation for fast shearing action.
- User friendly, no viscosity modifications necessary.
- Increase ink mileage with finer mesh.
- PANTONE and stock colors formulations are available.

DESCRIPTION

E2 Primaries are opaque resulting in excellent coverage on dark garments. The tack free formula allows printing through a range of mesh counts without the need for a viscosity modifier. It is recommended that a white underlay be applied when printing over dark fabrics for that extra "pop" in brightness.

APPLICATION

Print colors straight from the container or mix using the PANTONE formulation provided in the M2000 Ink Management Software. (Use the M2 formula and insert the E2 primaries.) E2 colors are user friendly and may be printed through 86 to 305 m.c. /in. (34 to 120 m.c. /cm.) mesh range without modifying the viscosity. The tack free formulation allows increased coverage therefore finer mesh counts may be used for softer hand without sacrificing opacity. Mix colors according to formula for best results.

Note: See Special Procedures below.

RECOMMENDED PRINTING TECHNIQUES

Manual and Automatic Machine Printing

- Load ink into mesh opening with hard sharp squeegee.
- The image area should be filled with ink.
- Transfer ink to the fabric surface with a light squeegee pass.
- Wash test the garment to test for complete fusion.

SPECIAL PROCEDURES

Plastisols require heat for fusion.

Stir plastisols prior to printing.

Do not dry clean, use bleach, or iron the image area.

E2 inks require a suitable mixing environment to insure mixed products have no cross contamination with other plastisol inks. New or properly cleaned utensils, pumps, pails and etc. are required. Utensils should be cleaned with a non-phthalate type plasticizer or non-phthalate Biodegradable screen wash.

E2 Series products are available in minimum quantities.

See your dealer or call our hot line for more information.

Wet Ink Tack

After Flash Tack

Printability

Surface Appearance

Opacity/Viscosity

Bleed Resistance

Gel Point / Flash Time

Fusion Temperature

Squeegee Hardness

Squeegee Blade

Squeegee Angle

Squeegee Speed

White Underlay

Low Bleed Underlay

Flood Stroke

Print Stroke

Emulsion

Mesh Count

Screen Tension

Extender

Reducer

Thickener

Storage

Cleanup

Low, short body, tack free

Decreases with increase mesh

Excellent, for fast production

Thick ink film = gloss; Thin = matte

High / Medium

None

165°F/Decreases with less deposit

320°F/160°C

70-80 durometer

Sharp

45 degrees to screen mesh

Maximum

E29256 White for 100% cot. dark

N/A

Load ink into mesh opening

Maximum speed, light pressure

Direct, Indirect, Capillary film

86-305 m.c. /in. (34-120 m.c. /cm.)

As recommended for mesh

E20839 S.H.A.P.E.

M00012 Detack Reducer

M00010 Thickener #10 (Powder)

65°F to 95°F. Avoid direct sun

Non-phthalate type plasticizer or non-phthalate, Biodegradable screen wash.

MSDS #

Color Range

Substrate Type

Substrate Color(s)

12 & 13

Primary Mixing Colors

100% cotton

Lights and Darks

AVAILABLE

COLORS

Standard E2 Mixing Primaries

- E21440 Violet
- E22441 Blue #1
- E22442 Blue #2
- E22443 Marine
- E23443 Green
- E24449 Yellow
- E26446 Scarlet
- E26447 Red
- E28394 Black
- E29256 White

Fluorescent E2 Mixing Primaries

- E24037 Yellow
- E25018 Orange
- E26056 Red
- E26055 Pink
- E21017 Magenta
- E21037 Violet

Additives, Bases, and More:

EP0015 Dulling Paste.

E20839 S.H.A.P.E.

EL9240 LB White

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Technical Data Sheet