

4031 High Performing Clear

PRODUCT INFORMATION

The 4031 High Performing Clear has been specifically formulated to adhere to a wide range of substrates.

APPLICATION FIELD

This protective overprint clear can also be used for nameplates, skateboards, posters, and aircraft interiors.

APPLICATION PROCESS

Substrates	Treated Coroplast™ / Fluted Polyolefin, Pressure Sensitive Vinyl, Treated Polyester, Polystyrene (Styrene), Polycarbonate, Coated Wood, Card Stock, PVC
Th/cm	From 200 to 355 (80 to 140 cm), monofilament polyester is recommended.
Emulsion	Solvent and water-proof emulsion only. Dual cure emulsions are recommended for added durability. Emulsion stencil must be thoroughly dried before image exposure. Use a water-proof block-out or emulsion for small touch-up areas.
Squeegee	Sharp 60 single polyurethane blade
Drying	WB-4031 will air dry in 20 to 30 minutes at normal room temperature. Force drying in seconds at 90° to 150° F (32° to 66° C). To prevent the blocking of material after printing, it is paramount to ensure that the temperature of the drying is not excessive and the air flow surrounding the material is good. Material blocking may occur if sheets are stacked when still warm.

Cleaning	Use S-034 Screen Cleaner for press or screen clean up. When cleaning screens, first spray all ink areas with the S-034 screen cleaner. Let stand for 3-5 minutes then pressure wash with water.
Storage	Store at room temperature, below 100° F (38° C). Always avoid open flames and excessive heat exposure. Protect from freezing.
Packaging	Available in gallons, five-gallon pails and 55 gallon drums.
SDS	Available upon request

GENERAL FEATURES

- Low VOC
- Easy Clean Up
- Force Dries in Seconds
- Excellent adhesive bond

ADDITIVES AND THINNERS

Stir the ink well before every use. Use 1 to 3% of WB-Activator by weight to improve chemical resistance. Please note, however, that the WB-Activator will only stay active within the ink for only a 24 hour period under most conditions. The ink can be reactivated only one additional time after the first 24 hour is complete by re-adding the Activator. We strongly recommend mixing only enough ink with the WB-Activator estimated for a 24 hour period. Use 1822 thin ner or water for normal viscosity adjustments by no more than 5 to 10% by weight. Retarders should be used sparingly to reduce the inks drying time within the screen. Use TW-1823 for fine detail printing, slow print cycles or high temperature conditions. Use no more than 5 to 10% of thinner or retarder by weight.

5008 Liquid Thickener can be used to increase the inks viscosity. This is normally added when printing fine detail or halftone areas. Only 1/2 to 1% of Thickener needs to be added by weight to

increase the inks viscosity. After adding the Thickener to the ink, mix very well and allow the viscosity to fully develop for 10 minutes before use within production.

Code	
TW-1823	RETARDER
TW-1822	THINNER
TW-1820	FAST DRY THINNER
S-039	MESH LUBRICANT
XPX101	WB ACRIVATOR
5008	LIQUID THICKENER
S-034	SCREEN CLEANER

PRODUCT RANGE

Code	
4031	HIGH PERFORMANCE CLEAR
XPX101	WB ACTIVATOR

Calculated physical properties

VOC

Does not exceed 1.9 lbs. per gallon (220 grams per liter).

Weight Solids

39% (plus or minus 2%) Non-volatile.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.