



SCREEN PRINTING

UV INK

UViprim MS

UV drying ink designed for PVC self-adhesive printing, rigid PVC, polystyrene, treated polyester and polycarbonate. NVP FREE.

Use

This ink is designed for UV self-adhesive PVC, rigid PVC, polycarbonate, polystyrene, treated Corona Priplak® type polypropylene sheet. 10% of catalyst (ref. 3822090) should be added for effective adhesion on certain kind of plastics.

The **UVprim MS** ink is used at a standard viscosity or slightly diluted with mesh in the screen mesh 150 to 180 fibres/cm.

Polymerization

Covering white is used alone as a white ink, whereas the thinner white can be mixed with other colours in a proportion of 10% to 20% to obtain the correct opacity. Fusion temperature speeds depend on the thickness deposited, the colour and the type of substrate, the type and the number of lamps.

The colours polymerize between 10 and 20 m/min under a 120 W/cm lamp. The tints containing white, like grey cross-link more slowly.

Faced with the variety of plastic substrates, a trial is crucial before going into production.

Use of catalyst

Good results have been obtained on Priplak® by mixing the ink with 10% of catalyst.

Moreover, on certain polyester or polystyrene adding 10% of catalyst gives excellent adherence.

The ink & catalyst mixture is stable for 12 hours.

Taking the reaction time into account, you have to wait 24 to 48 hours to obtain the best adherence and nail resistance.

Specifications

- Appearance: glossy
- Viscosity: 5 ± 1 Pa.s
- Coverage rate: 100 m²/l with a 150 - 34 mesh

- Light fastness: (scale from 1 to 8) good
- Thinner: 31970NG* or 3194058
- Cleaning solvents: 2881, 2891, NS-81 and NS-91
- Expiry: refer to the label

*diluent 31970NG : Skin irritation, Category 2 ; Eye irritation, Category 2, Skin sensitisation, Category 1

Toxicology

The **UViprim MS** inks comply with EN 71-3 standard.

STANDARD COLOURS	Ref. 5 kg
Thinner white*	3794000
Covering white	3794087
Lemon*	3794002
Gold yellow*	3794004
Orange*	3794006
Scarlet*	3794007
Cherry red*	3794008
Cyclamen*	3794014
Purple / Violet*	3794016
Process blue*	3794027
Reflex blue*	3794025
Emerald green*	3794033
Black*	3794044

Non contractual colours and pictures
On simple request, we can propose you a color panel card displaying accurate shades.

STANDARD COLOURS	Ref. 5 kg
4-COLOURS PROCESS	
4-colours yellow	3794050
4-colours magenta	3794052
4-colours cyan	3794054
4-colours black	3794056
ADDITIVES	
Mat varnish	3794059
Gloss varnish*	3794058
Photoinitiator, per 100 g	38C0595
Catalyst, 1 liter tin	3822090

Pantone® colour matching

All the marked inks with an asterisk *, can be colour matched according to the Pantone® colour guide through the online Colour Matching System developed by Tiflex.



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