

V 2000

Type

Quick drying, satin-finished ink with a mild odour. especially developed for printing polystyrene. Suitable for machine- and hand printing.

Application

On practically all types of polystyrene, hard PVC and various other hard synthetics.

General information

Despite the quick drying time, this ink will not dry into the gauze. Even during longer printing pauses, rinsing of the screen is not necessary, but it is sufficient to fill the screen with some freon ink and to leave it as such during appr. 20-30 sec before printing a new run.

Drying

The V 2000 ink dries by evaporation of the solvents. When air dried, the ink is hand dry after 5-10 minutes and can be layered after 0.5 - 1 hour. When tunnel dried, high production speeds can be realised at low drying temperatures. Suitable for two-sided multi coloured printing jobs.

When tunnel dried, the drying time is dependent on the tunnel temperature, fineness of the gauze, type of thinner, qualities of the material to be printed etc. The optimum proportion of temperature-conveyor belt speed must be found through experience. A guide-line is: 15-40 seconds in a drying tunnel with a good air circulation at 35 C°.

It is important that the cooling section of the tunnel works well and that the printed material is not piled up while it is warm. This is especially important for polystyrene, as this is an excellent heat-isolator, possibly causing the stack to remain warm for a long amount of time, which can cause sticking or setting-off in the stack.

Adhesion

Adheres well to materials mentioned under 'application'. Judgment of adhesion is possible after approx. 12 hours.

Opacity and bleeding

This ink series has a high opacity and does not bleed.

Light fastness and weather resistance

The light fastness of all colours is good in fulltone. The thicker the ink layer, the better the light fastness. Extending with white or overprint varnish/base/base for gold decreases the lightfastness. The inks have a high weather resistance that can be further improved by using Vipro 2049 Clear as a varnish (recommended for pale and rich gold and silver).

Thinners

Stir the ink before deluting. Dilute 20-30% with **Thinner 51** for machine printing. Dilute 20-30% with **Retarder 7** or **Retarder 4** for hand printing and/or printing fine details and when working in high temperatures. When printing PVC, dilute with 20-30% **Thinner 71**. Adding too little of a thinner or retarder can be detrimental to drying and printing qualities of the ink.

To print PP materials, dilute with 20% **Thinner 105**. Usually this mixture will result in a good adhesion

Elasticity

The V 2000 inks are sufficiently elastic and are suitable for deep-drawing. Always test beforehand.

Halftone printing

For printing of very fine lines, Vipro 2050 base tix can be added (5-35%). Decreases color intensity, opacity, gloss and light fastness.

For printing in halftone, Vipro 2051 yellow tix, Vipro 2052 cyan tix, Vipro 2053 magenta tix and Vipro 2054 black tix are available. These colours have a good light fastness. For adjusting the intensity of the color, Vipro 2050 base tix can be added in every proportion.

Silver, Pale en Rich Gold

Since the gold and silver colours have a limited potlife in mixed form, the silver and pale and rich gold pastes are delivered separately from the overprint varnish/base/base for gold. See *Visprox Additives* for more information

Fluorescent colors

Fluorescent colors are available for advertising and safety uses. Best printed on white surfaces to ensure color intensity. Light fastness of these colors is not great. Best results will be achieved when using a 77-55(T) mesh.

Mixing colors

The coloromatic mixing system consists of the colors A to M and clear, with accurate recipes to mix **PANTONE®** colors, Visprox colors or colors from other systems. (When printed on a white surface with a 100-40(T) mesh).

Mesh

All types of mesh can be used. Meshes between 77-55 (T) and 140-34(T) give the best results.

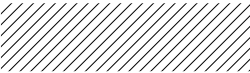




Mesh Cleaning

Mesh needs to be cleaned immediately after printing. We recommend using **Screenwash LOD** or **Screenwash GA**. Using the thinners mentioned under 'Thinners' is possible though less effective.

Test prints

Please, continually make test prints before moving on to printing the complete order.

This technical information is meant to be a guideline. Even though the information is given after detailed examination and to the best of our knowledge, AGA Color Solutions Europe b.v. can take no responsibility for it.

	01 White L, EO, SO		34 Orange Red (± pms Bright red C)		46-1 Pale Gold (± pms 871)
	02 Black M, EO		35 Fashion Pink (± pms 674C)		46-2 Rich Gold (± pms 10125C)
	04 Primrose Yellow (± pms 101C)		37 Carnaby Violet (± pms 2627C)		47 Silver (± pms 877C)
	06 Medium Yellow (± pms Yellow C)		38 Brilliant Green (± pms 340C)		Sparkling Silver (geen pms referentie)
	07 Bright Orange (± pms 1655C)		39 Spring Green (± pms 2270C)		Pearl Base (± pms 10101C)
	08 Fire Red (± pms 485C)		41 Pale Red (± pms 185C)		Bronze paste (± pms 873C)
	09 Geranium (± pms 7621C)		43 French Blue (± pms 2145C)		45 Clear Flat (Mat)
	10 Bright Red (± pms 2035C)		88 Ultra blue (± pms 2728C)		49 Clear
	11 Bright Cerise (± pms 238C)		A Lemon Yellow (± pms 012C)		50 Base Tix
	12 Violet (± pms 2685C)		B Golden Yellow (± pms 7548C)		Obliterating Grey (Tussendrukgrijs)
	13 Paris Green (± pms 2420C)		C Orange (± pms 021C)		05 Blackboard Black
	14 Dark Green (± pms 3308C)		D Red (± pms 199C)		
	15 Sky Blue (± pms 2195C)		E Carmine (± pms 200C)		
	16 Magenta (± pms 2612C)		F Pink (± pms 214C)		
	18 Medium Green (± pms 7726C)		G Bright Violet (± pms 274C)		
	19 Medium blue (± pms 2756C)		H Permanent Blue (± pms 2945C)		
	20 Crimson (± pms 202C)		K permanent Green (± pms 2245C)		62 Primrose Yellow Fluo
	22 Brilliant Blue (± pms 2738C)		51 Yellow Tix (pms Process Yellow)		63 Light Orange Fluo
	23 Mono Blue (± pms 2194C)		52 Cyan Tix (pms Process Cyan)		64 Deep Orange Fluo
	27 Blue (± pms 301C)		53 Magenta Tix (pms Process Magenta)		65 Fire Orange Fluo
	29 Azure Blue (± pms 2388C)		54 Black Tix (pms Process Black)		67 Green Fluo
	33 Super Orange (± pms 2018)		55 Rubine Red Tix (± pms Rubine Red C)		70 Pink Fluo

The PMS references are an approximation when printed using 100T mesh. Type of mesh, degree of dilution and type of light can affect the results.