

UR 2500

Type

Tunnel / air-drying, very elastic, satin gloss polyurethane ink.

Application

For direct printing on most nylon and polyester fabrics, such as sailing canvas, umbrellas, sports bags, shirts, flags, etc. Also suitable for indirect printing to make heat transfers using Heattrans Textile Transfers with Texylon Stick. A recommended combination for transferring prints onto work uniforms and above mentioned synthetic materials.

General

The UR 2500 inks are elastic and have a good washing fastness. Not as resistant to dry cleaning.

Drying

The UR 2500 inks dry by evaporation of the solvents. When air dried, the ink is hand dry after about 15-30 minutes. The time it takes for the printed materials to be able to piled up is dependent on the thinner added, type of mesh, surrounding temperature, ventilation etc. When tunnel drying or printing double sided, pay attention to adhesion and setting off of the ink. Best results will be achieved when air-drying the ink.

Color mixing

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

Adhesion

Adheres well to the materials mentioned under 'Application'. Often, nylon and polyester materials are coated, which can cause problems with adhesion, especially with the color white. To improve adhesion on such materials, add 10% **Hardener no. 2** (this will increase scratch resistance but decrease elasticity of the ink). We advise you to always make test prints, in order to determine how well the ink adheres to the material and determine its elasticity after 12 hours of drying.

Opacity and gloss

The UR 2500 inks have a high opacity. For printing on dark substrates or when a higher opacity is needed, the extra opaque series is available (UR 2500 EO). All colours have a beautiful gloss.

Light fastness and weather resistance

All colors have a good light fastness in fulltone. The thicker the layer of ink, the better the light fastness. Extension of the ink using white or clear diminishes the light fastness. The inks are weather resistant.

Elasticity

The UR 2500 inks are elastic. Stretching and shrinking of the material will be no problem.

Thinners

Mix the ink well before adding a thinner. For regular use, add 20% of **Thinner 61**. For printing of fine details or printing in high surrounding temperatures, use **Retarder 7** or **Retarder 4** (extra slow). In case of too much ink holdout, thinner or retarder can be replaced by an equal amount of **Gelthinner** or **Gelretarder CL**.

Direct printing

Hardener

10% Hardener no. 2 can be added when the direct printing. Mix the ink well before adding the hardener. Add thinner or retarder after having properly mixed the ink with the hardener.

Pot life

After adding hardener, the pot life of the mixture is around 6 hours.

Halftone printing

For printing of fine lines, halftones or absorption prints, 5-35% of UR2550 base tix can be added. This will decrease the colorintensity, opacity, gloss and light fastness of the ink.

Mesh

All types of mesh can be used. Meshes between 49-70 (T) and 100-40(T) give the best results.

Indirect printing: transfers

For indirect printing, do not add hardener to the ink. Thinners can be added as described for both indirect and direct prints.

Gloss

Semi-matte to satin finish, depending on the type of transfer paper being used.

Carrier

For a semi-matte transfer, use our Transfer Paper 105 (g/m²) DHF0502.

Printing and mesh

When printing, print according to the order below with the corresponding mesh.

- | | |
|-------------------------|---|
| 1. Colors: | 49-70(T) - 100-40(T) |
| 2. Texylon Stick 59865: | 29-70(T) - 79-50(T) |

Transferring

Transferring must be done at 160 °C for 20-25 seconds, with a light pressure. Transfer paper should be removed quickly after a short time of cooling.

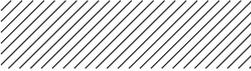
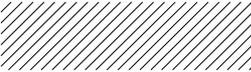
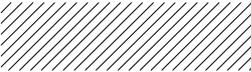
Mesh cleaning

Mesh needs to be cleaned immediately after printing, use **Screenwash LOD** or **Screenwash GA**.

Test printing

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		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 EO (± pms 101C)		37 Carnaby Violet (± pms 2627C)		47 Silver, EO (± pms 877C)
	06 Medium Yellow EO (± pms Yellow C)		38 Brilliant Green EO (± pms 340C)		Sparkling Silver (no pms reference)
	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 EO (± 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 EO (± pms 2420C)		C Orange (± pms 021C)		05 Blackboard Black
	14 Dark Green (± pms 3308C)		D Red (± pms 199C)		
	15 Sky Blue EO (± pms 2195C)		E Carmine (± pms 200C)		
	16 Magenta (± pms 2612C)		F Pink (± pms 214C)		
	18 Medium Green EO (± pms 7726C)		G Bright Violet (± pms 274C)		
	19 Medium blue EO (± pms 2756C)		H Permanent Blue (± pms 2945C)		
	20 Crimson (± pms 202C)		K permanent Green (± pms 2245C)		
	22 Brilliant Blue EO (± pms 2738C)		51 Yellow Tix (pms Process Yellow)		
	23 Mono Blue (± pms 2194C)		52 Cyan Tix (pms Process Cyan)		
	27 Blue EO (± pms 301C)		53 Magenta Tix (pms Process Magenta)		
	31 Rich Yellow EO (± pms 7548C)		54 Black Tix (pms Process Black)		
	33 Super Orange EO (± pms 2018)		55 Rubine Red Tix (± pms Rubine Red C)		