

Epoxyser 92.000

Type

Glossy, opaque, slow-drying two component epoxy ink that adheres to many difficult substrates.

Application

Different types of plastic, metal, glass, ceramics and lacquered objects.

General

The Epoxyser ink series is a slow-drying two-component ink that is resistant to many chemicals and solvents thanks to its special composition. Adheres well to many difficult substrates.

Drying

The Epoxyser inks dry by evaporation of the solvents and by the chemical reaction between the ink and hardener. When air dried, the ink is hand dry after 4-6 hours. When force dried, drying times vary according to temperature:

150°C - 5-10 minutes.

120°C - 10-20 minutes.

80°C - 20-40 minutes.

Adhesion

Adheres well to materials mentioned under 'Application', as well as on aluminum, copper, brass, tin, steel and other alloys, enamel, urea, melamine, pre-treated polyethylene and polypropylene, nylon and several types of polyester.

The materials to be printed need to be free of oxides and grease. Ensure that the cleanser itself does not contain grease and that no condensation takes place. We recommend using I.P. Thinner 29. Polish the material with a dry cloth. Judgment of adhesion is possible after the chemical reaction has fully taken place, which usually takes around 96 hours.

Chemical resistance

When the ink has fully hardened, it is resistant to many chemicals such as acids, bases, solvents, grease, cosmetics, detergents and cleaning agents.

Light fastness and weather resistance

The inks have a good light fastness when printed in fulltone. The thicker the layer of ink, the better the light fastness. Extending with white or clear negatively affects the light fastness.

The inks are moderately weather resistant, since the ink quickly loses its gloss when exposed to different weather conditions outside.

Hardener

Add 25% of **Epoxyser 92.599 Catalyst** to colored inks and 50% to the transparent base. When printing glass, add 10 % of **Epoxyser 92.600 Catalizzatore Speciale** to the colored inks and transparent base.

Before adding the catalyst, make sure to stir the ink well. Only add the desired amount of thinner after having mixed the catalyst well. Always wait 30 minutes after preparing the ink before use. Never make more ink than what you can process within approximately 6 hours.

Layer printing

When printing multiple layers, we recommend printing the next layer within 3-5 days.

Mesh

Best results will be achieved using 73-90 T mesh.

Films

All direct, indirect and capillary films for solvent-based inks can be used.

Mesh cleaning

Mesh needs to be cleaned immediately after printing, use Screenwash LOD. Thinners can also be used, though they are less effective.

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.



Epoxser 92.000

	101 White opaque		100 White L		006 Metal Flake (± pms 873C)
	701 black opaque		700 Black M		124/125 Silver (± pms 877C)
	200 Primrose Yellow (± pms 101C)		P200 Lemon Yellow A (± pms Yellow C)		324 Pale Gold (± pms 873C)
	201 Lemon Yellow (± pms 108C)		P202 Golden yellow B (± pms 116C)		424 Rich Pale Gold (± pms 872C)
	202 Chrome Yellow (± pms 7548C)		P301 Orange C (± pms 172C)		524 Rich gold (± pms 871C)
	301 Orange (± pms 1655C)		P303 Red D (± pms 185C)		824 Gold Flake (± pms 8643C)
	302 Scarlet (± pms Bright Red C)		P305 Carmine E (± pms 1935C)		800 Transparent Base
	303 Red (± pms 199C)		P342 Pink F (± pms 233C)		880 Tixotropic Gel
	304 Ruby Red (± pms 187C)		P440 Bright Violet G (± pms 274C)		
	305 Carmine Red (± pms 188C)		P404 Bright Blue H (± pms 286C)		
	342 Pink (± pms 675C)		P500 green K (± pms 335C)		
	400 light Blue (± pms 2173C)		210 Saturn Yellow		
	401 Cobalt Blue (± pms 300C)		215 Arc Chrome (± pms 804C)		
	407 Gentian Blue (± pms 301C)		310 Blaze		
	403 Ultramarine Blue (± pms 2736C)		312 Fire Orange (± pms 805C)		
	405 Dark Blue (± pms 294C)		317 Aurora Pink (± pms 806C)		
	440 Violet (± pms 275C)		511 Signal green (± pms 802C)		
	500 Leaf Green (± pms 3285C)		297 Yellow Tix (pms Process Yellow)		
	501 Light Green (± pms 354C)		397 Magenta Tix (pms Process Magenta)		
	503 Dark Green (± pms 3435C)		497 Cyan Tix (pms Process Cyan)		
	541 Green (± pms 348C)		797 Black Tix (pms Process Black)		

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.