

THE NEW – MULTIFUNCTIONAL SCREEN PRINTING INK FOR GLASS, METAL AND PLASTICS



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ZGM

INNOVATION BEGINS IN THE MIND, WITH A DARING IDEA AND THE COURAGE TO TAKE RISKS [BJÖRN ENGHOLM]

With 2-component screen inks ZGM we once again offer a future-oriented and modern screen ink system. ZGM inks were developed based on latest findings and regulatory aspects. This environmentally compatible and user-friendly ink system offers advantages for printers and also end customers. Meeting highest technical requirements and based on high quality resins ZGM inks are suitable for many demanding technical applications.

- Maximum pigmentation for brilliance and opacity
- Excellent printing properties, very good screen stability
- Vast range of substrates, two different hardeners
- Excellent chemical and mechanical resistances
- Formulated without silicone-containing levelling agents, therefore suitable for overprinting and adhesive coating applications.

TWO DIFFERENT HARDENERS DEPENDING ON APPLICATION

SVC/H

Hardener SVC/H is the best choice for printing on glass and metal. This combination of ink and hardener is also very suitable for ceramics, duroplastics and chromium-plated surfaces. With this hardener ZGM prints result in highest possible mechanical and chemical resistances, excellent scratch resistances as well as good resistance against aggressive solvents.

Z/H

Combination of ZGM with hardener Z/H is an universal mixture for printing of various plastic materials. Possible substrates are polypropylene (PP), polyethylene (PE-LD, PE-HD), acrylic glass (PMMA) and polyamide, cellulose acetate, coated surfaces and metals.

ONE INK FOR (ALMOST) ALL APPLICATIONS

One ink range and two hardeners are suitable for a very vast range of possible materials – one ink for (almost) all applications.

ZGM inks have been formulated with a very high pigment content resulting in excellent brilliance and opacity. The basic colours of our C-MIX 2000 of ZGM inks have been formulated with an especially high pigmentation. In addition, this colour range is complemented with two additional mono-pigmented base colours. With the 12 base colours of C-MIX 2000 and these additional highly opaque base colours 10/HD and 20/HD you can mix nearly all required colours, even highly opaque colours.

Printers can either mix all other shades of our standard range of highly opaque colours themselves or order them as required.

You want a glossy or matt finish?

Easy-to-handle matt varnish ZGM/E50-MT is used to adjust degree of gloss. Matting powder is not needed, just stir in ZGM/E50-MT. As the pigment concentration of ZGM is very high, up to 50% varnish can be added and you will still have the colour intensity of our regular C-MIX 2000 colours. If you want to increase the gloss, add ZGM/E50. Varnish and matt varnish can be

mixed at any ratio as required, a very economic solution, especially for applications not requiring a high opacity.



SOMETIMES LESS CAN BE MORE!

A few base products – unlimited possibilities. Sometimes less is more! With this modular system stocks can be significantly reduced. Two meters* in the shelf can be sufficient to store all necessary products for a vast variety of possible applications.

ZGM INKS ARE FREE OF:

- Aromatics
- Butyl glycolate (GB ester)
- Solvent Naphtha
- Cyclohexanone
- Phthalates
- PAH (polycyclic aromatic hydrocarbons)
- Other harmful substances

Our User-friendly ZGM Inks:

Have a low hazard classification according to GHS
Are compliant with RoHS, REACH, EuPIA
and Toy Standard EN 71-3:2019

* using 1 litre cans



Product Data Sheet

Screen Printing Ink

SunChemical®
Coates Screen Inks

ZGM

Solvent Based Screen Printing Ink Range, 2-Component

C-MIX 2000 BASE COLOUR SHADES

Mixing system for matching of PMS, HKS, RAL colours (on white substrates)

C-MIX 2000 Colours of ZGM range have a 50% higher pigmentation than the usual C-MIX shades. Mixing ZGM C-MIX 2000 colours at a ratio of 2:1 with ZGM/E50 will result in the “usual” colour densities of the C-MIX 2000 range.

Start formulations available in data base „Formula Management C-MIX 2000“

According to colour card C-MIX 2000-P

primrose	ZGM/Y30	red	ZGM/R50	green	ZGM/G50
golden yellow	ZGM/Y50	magenta	ZGM/M50	black	ZGM/N58
orange	ZGM/O50	violet	ZGM/V50	white	ZGM/W50
scarlet	ZGM/R20	blue	ZGM/B50	varnish	ZGM/E50

STANDARD Colour Range HD (high opacity)

According to colour card STANDARD HD-P

Availability of further standard HD shades upon request

citric yellow, highly opaque	ZGM 10/HD	carmine red, highly opaque	ZGM 22/HD*
medium yellow, highly opaque	ZGM 11/HD*	light blue, highly opaque	ZGM 30/HD*
dark yellow, highly opaque	ZGM 12/HD*	violet, highly opaque	ZGM 37/HD*
orange, highly opaque	ZGM 15/HD*	light green opaque	ZGM 40/HD*
light red, highly opaque	ZGM 20/HD	white, highly opaque	ZGM 60/HD*
bright red, highly opaque	ZGM 21/HD*	black, highly opaque	ZGM 68/HD*

* Mixtures made from base colours C-Mix 2000 plus monopigmented ZGM 10/HD and ZGM 20/HD, formulations available on request. You can either mix all other shades of our standard range of highly opaque colours yourself – or we mix it for you as required.

SPECIAL PRODUCTS: Special Colour Shades, Varnishes, Pastes

Information about availability upon request

Matt varnish, blend	ZGM/E50-MT
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MG – METAL GLOSS INKS

According to Bronze Colour Card

rich gold	ZGM 75/MG	copper	ZGM 78/MG
rich pale gold	ZGM 76/MG	silver	ZGM 79/MG
pale gold	ZGM 77/MG		

Note: For technical reasons AB Bronze Inks are not available in ZGM range.

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