

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

ZGM



Edwin Tafelmeier,
Laboratory
Manager

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 a 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 mixing system 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 the 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.

You won't need matting powder, 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 A FREE OF:

- Aromatics
- Butyl glycolate (GB ester)
- Solvent Naphtha
- Cyclohexanone
- Phthalates
- PAH (polycyclic aromatic hydrocarbons) as well as other harmful substances that we gladly do without

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

