

CERAMIC AUXILIARIES

DIGITAL  
PRINTING  
INKS



ZSCHIMMER & SCHWARZ

## DIGITAL PRINTING INKS: TRUCOLOR AND AQUACOLOR

Zschimmer & Schwarz specialises in digital printing inks and offers products under the TRUCOLOR and AQUACOLOR brands. Our inks are tailored to different production processes and are available as formulations with the following options:

- ▶ Water-based
- ▶ Solvent-based
- ▶ Standard absorption
- ▶ Fast absorption
- ▶ IR-curing
- ▶ IR-/UV-curing
- ▶ Self-curing

We use our extensive knowledge of digital printing inks and work in cooperation with manufacturers of printheads and printers.

### OUR INKS OFFER:



High resistance to UV radiation, climatic influences and humidity



Long-lasting durability and lightfastness of colour effects



Excellent abrasion resistance in areas subject to heavy use



Ideal adaptability to modern decoration options

Our customers can choose from a range of pre-formulated inks to meet different colour standards.

### FOR FURTHER APPLICATIONS: BINDERS, EFFECT INKS AND ADDITIVES

In addition to digital printing inks, Zschimmer & Schwarz offers TRUBOND and AQUABOND binders for digital printing applications, including granule application. The effect inks in our portfolio – such as GLOSSY, TEXTURE, MATT and LUSTER – provide diverse design options for various surfaces. Our additives can modify inks, coatings, engobes and glazes for valve technology applications.

#### Disclaimer:

All product properties indicated in this flyer depend on the production process of the end product.

## **FEATURES OF DIGITAL PRINTING INKS**

- ▶ Formulations of solvents, polymers and inorganic pigments
- ▶ Realisation of a large colour gamut
- ▶ UV-resistant
- ▶ Density range of 1.1 – 1.4 g/cm<sup>3</sup>, depending on the ink
- ▶ Stable viscosity and surface tension for jetting temperatures of 30–50 °C
- ▶ Shelf life of up to 8 months
- ▶ Biodegradable
- ▶ Certified by all renowned machinery and printhead producers for highly pigmented printing inks

**We would be happy to introduce our comprehensive product portfolio to you in person!**



## BY YOUR SIDE – EVERY STEP OF THE WAY

We consider the complete workflow to apply digital printing in a production process – with a focus on design selection, colour management and any required pre- and post- surface treatment.

### DESIGN

Use of professional colour management software, which will help you to optimise the use of inks and reduce defects.

Our customers can choose tailor-made designs for their specific market requests

High-resolution scanner facilities with access granted to our customers to support their product development

### TECHNICAL SUPPORT

Preliminary printing tests on your substrate

Comprehensive laboratory equipment to determine the printing properties for your specific application

Worldwide individual and customised assistance by specialised technicians

### R&D

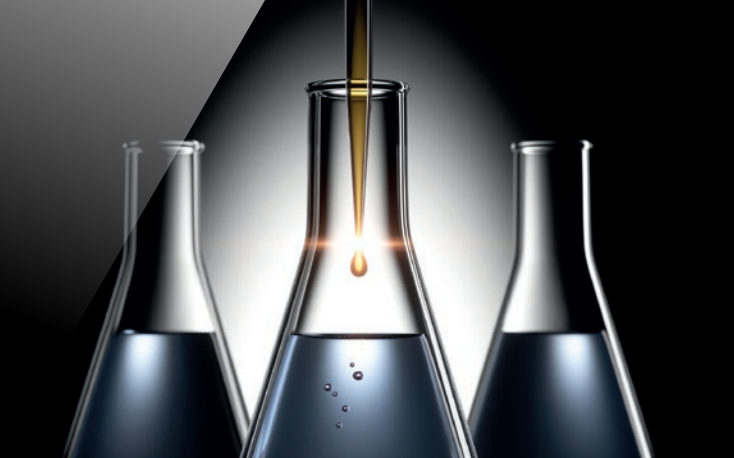
Research & Development centres in Germany, Italy and Spain

Close collaboration with printhead and printer manufacturers

Application-specific development of inks for the respective process



For more information about our ceramic auxiliaries and lab equipment, please visit [zschimmer-schwarz.com/ceramic-auxiliaries](https://zschimmer-schwarz.com/ceramic-auxiliaries)



## THE ZSCHIMMER & SCHWARZ GROUP

Zschimmer & Schwarz is a global supplier of chemical auxiliaries and specialities headquartered in Lahnstein near Koblenz, Germany. The company was founded in Chemnitz in 1894 and has been 100 % family-owned since. Having supplied speciality chemical solutions for more than 130 years, Zschimmer & Schwarz is positioned across industries with its seven business divisions.

The company develops, produces and distributes tailor-made chemical auxiliaries for the leather, ceramic, textile and chemical fibre industries. Manufacturers of cleaning agents, personal care products, lubricants and industrial applications all over the world trust in the company's chemical specialities as well. The corporate group Zschimmer & Schwarz comprises 27 companies in 16 countries on five continents.



**Chemistry tailor-made**

**Zschimmer & Schwarz**

GmbH & Co KG Chemische Fabriken  
Max-Schwarz-Strasse 3-5  
56112 Lahnstein | DE  
T +49 2621 12-485  
ceramics@zschimmer-schwarz.com  
zschimmer-schwarz.com