

# Double expertise for one solution

POWDER AND LIQUID COATINGS FROM



LACK- UND KUNSTSTOFF-CHEMIE GMBH

We are System  
provider for powder  
coatings and liquid  
coatings

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## We are a system provider for powder coatings and liquid coatings.

*GEHOLIT+WIEMER Lack- und Kunststoff-Chemie GmbH and KARL BUBENHOFER AG are medium-sized, family-run companies that have been linked for several decades. Efficient and sustainable coating solutions are at the centre of the cooperation between GEHOLIT+WIEMER and KARL BUBENHOFER, from which the joint subsidiary KABE Pulverlack Deutschland GmbH emerged back in 1988. For over 30 years now, we have been working in partnership to advise companies on the right system solutions, consisting of powder and liquid coatings that are optimally harmonised with each other.*

### Advantages

- > Specific expertise in powder and liquid coatings
- > Compatibility of liquid and powder coatings
- > Uniform appearance in color tone, texture and gloss level

#### Brief portrait of GEHOLIT+WIEMER



GEHOLIT+WIEMER has been developing, producing and selling high-quality, versatile and environmentally friendly liquid coatings for a wide range of applications in the fields of mechanical engineering, drive and conveyor technology as well as construction and agricultural machinery since 1889. Whether it's labour-saving single coaters, fast-curing rapid or water-dilutable coating materials - we develop customised coating technology suits that are ideal for ensure the desired

appearance, the required function or the optimum protection of your components. Our specialists on site have a wide range of experience and have been providing our customers with expert advice on our coating systems for years, from the planning stage through to the realisation and successful implementation of the coating system in the production processes. We offer innovative solutions that combine environmental protection and economic efficiency.

#### Short portrait KARL BUBENHOFER



In 1908, Karl Bubenhofer opened a painting business on Bischofszellerstrasse in Gossau. Little by little, Karl Bubenhofer developed from a master painter to a manufacturer. More than 110 years have passed since then. The Swiss family business KARL BUBENHOFER was able to successfully establish itself on the market thanks to its entrepreneurial self-image and actions. Its core competences lie in the areas of building paints, plasters, facade insulation systems and powder coatings. POLYFLEX®

Powder coatings are high-quality coating systems that guarantee more than just a first-class appearance and perfect surface protection. Countless objects coated with our powder coatings from a wide range of applications are proof of our expertise in the manufacture of powder coatings and the quality of our products. Exceptional service quality paired with a high level of innovation.



# Glossy single coaters with outstanding color stability

## Requirement

Terex Deutschland is a major manufacturer of construction machinery. These machines and their attachments and accessories are exposed to severe weather conditions, stubborn dirt deposits and extreme mechanical loads. Coating systems used here must offer long-lasting corrosion protection and the best possible mechanical resistance, but also meet the construction machinery manufacturer's very high demands in terms of color stability and gloss level. GEHOLIT+WIEMER and KABE Pulverlack Deutschland have been an important system supplier to Terex Deutschland for many years. The large components are coated with a resistant liquid paint and the add-on sheet metal parts with a matching powder coating.

## Task definition

Steadily increasing production volumes at Terex Germany's Fuchs division led to increased consumption of solvent-based coating material up to the limit of permitted VOC emissions. The construction machinery manufacturer was forced to replace the previous coating system with a solvent-reduced high-solids system with a VOC content of less than 27% by mass. In addition, the increasing demands on the visual appearance were to be met with a higher gloss level and better color stability.

## Solution

The right coating system was found with the two-layer liquid coating system consisting of a 2K PUR primer and the corresponding 2K PUR top coat. The possibilities of „wet-on-wet“ painting mean that faster throughput times are achieved and free capacities are created. The significant reduction in solvent consumption also leaves enough room for further increases in production. In addition to excellent corrosion protection and very high chemical resistance, the coating system has a unique brilliance and demonstrably outstanding color stability.

To ensure that no visual differences are visible on the assembled loading machine, KABE Pulverlack Deutschland adapted the powder coating for thinwalled components to the top coat in terms of color and gloss level.







## Outstanding electrical conductivity in one system

### Requirement

As a technology leader in the electrical industry, ASM Assembly Systems GmbH & Co. KG develops networked, integrated solutions for SMT production. The associated SIPLACE placement systems and DEK printer platforms support the networking, optimisation and automation of manufacturing processes and lead to improvements in productivity, flexibility and quality indicators.

### Task definition

In addition to very good corrosion protection and optimum adhesion properties, the coating of these pick-and-place machines and printer systems had to have a high dissipative capacity in order to avoid electrostatic charging of the components during the placement process.

### Solution

GEHOLIT+WIEMER has developed a dissipative coating system consisting of a 2-component EP primer and a 2-component PUR textured coating and launched it worldwide. The powder coating from KABE Pulverlack Deutschland was adapted to the requirements of ASM and the liquid coating. This enabled us to offer our customer ASM a complete solution worldwide.



## A combination that delivers what it promises!

### Requirement

The equipment and machines from ERO GmbH - such as the self-propelled grape harvesters - are particularly exposed to tartaric acid and chemicals. As the machines are also used in the USA, Australia and South Africa, reliable corrosion protection is essential for transport by sea.

### Task definition

Electrostatic powder coating was to be used to improve corrosion protection, as the coating material previously used often provided inadequate protection against the aggressive tartaric acid. As ERO continues to use liquid paint for the majority of its components, the company wanted to have a system provider at its side who could supply all color shades coordinated across all systems from a single source.

### Solution

As system suppliers, KABE Pulverlack Deutschland and GEHOLIT+WIEMER were able to provide ERO with expert advice on both powder and liquid paint issues. The coordination of different color shades between liquid and powder coating requested by ERO was proof of our mutual competence. The company colours ERO red and grey, which are not RAL colours, and the orange of the BINGER product range were reproduced, tested on sample panels and submitted in accordance with the required corrosion protection tests.

By coordinating the KABE powder coating with the liquid coating from GEHOLIT+WIEMER, ERO has a system at its disposal that shows no color deviations, offers excellent protection and guarantees ERO's customers a high level of investment protection for their wine-growing equipment. The perfect solution for the highest quality.

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