

PASSION FOR "CHEMIE AUF METALL"

- FORGING
- PROTECTING
- BLACKENING



ZWEIG

THE WORLD OF ZWEZ

Metal lives, it has an interesting inner structure and a very sensitive skin. Our passion is "Chemie auf Metall", the surface. Every day both our clients and we experience complex surface phenomena which we investigate. Such research provide insights that we transform into new solutions and innovative products and technologies, an exciting and dynamic process, which benefits both our clients and us. The results are coatings with fantastic features applied to parts every day all over the world for

FORGING – PROTECTING – BLACKENING.

You will be amazed.

At ZWEZ genuine progress is the rule. All areas of the company are organized accordingly, facilitating the implementation of this fascinating technological achievement. Promptness is not magic and reliability is innate. An inquiry made today is answered today. Our team members are fully informed at all times, they will respond to your issues promptly by mail or phone.

These days, such attentive service is no longer common, but we are aware that the market needs a company like ZWEZ, and this is confirmed daily by the satisfaction of our clients.

PASSION FOR "CHEMIE AUF METALL"



ZWEZ



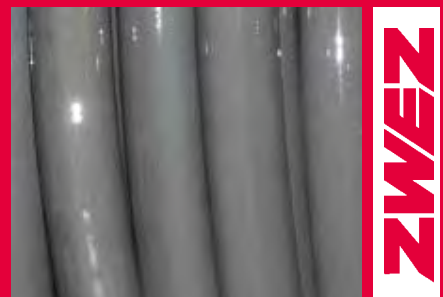
Continuous growing market share of ZWEZ-Lube



ZWEZ



ZWEZ-Technical Centre



ZWEZ

OUR KEY TECHNOLOGIES

FORGING with ZWEZ-Coat and ZWEZ-Lube



ZWEZ conversion coatings for various metals (e.g. phosphate coatings for iron and steel, analogue coatings for stainless steel and aluminium), used as a primer for ZWEZ special lubricants for chip-less metal forming by drawing and bulk metal forming.

ZWEZ lubricants:

aqueous dispersions of polymers or solid lubricants for chip-less metal forming by drawing and bulk metal forming. (NEW: SLS technology, forming without conversion coating—a ZWEZ innovation)

Production of wires, pipes/tubes, rods, profiles, etc.

Manufacture of parts by cold, warm and hot forming

PROTECTION with ZWEZ-Coat, ZWEZ-Oil, ZWEZ-Pass



ZWEZ coatings

inorganic/organic as well as combinations for ferrous materials

Corrosion Protection

Oil-free as well as oil- or wax-based topcoats, optimized effect on extremely dense ZWEZ phosphate coatings (zinc phosphate: grey / manganese phosphate nearly black)

Wear protection for running parts made of steel

Special phosphate coatings on the basis of manganese phosphate optimized for chromium-containing steel grades

BLACKENING with ZWEZ-Black



Black oxide coatings (Blackening)

for steel, steel cast, stainless steel, and various non-ferrous materials

Black corrosion protection, decorative and dimensionally accurate. Optimized effect with oil- or wax-based ZWEZ topcoats.

MORE THAN 75 YEARS OF CONTRIBUTING TO YOUR SUCCESS



Innovations

It began with a pioneering innovation in the field of surface technology that became the basis for the founding of the ZWEZ enterprise by Werner Zwez. Continuous research and product development in the field of “Chemie auf Metall” contributed to the fact that throughout its entire history ZWEZ has always successfully launched the right products at the right time onto the international markets. The traditionally very close cooperation with research associations (ICFG, GCFG, ESV), national and international universities as well as joint research projects with their technical faculties are supporting this successful company development up to the present day.

Profile

For more than 75 years “Chemie auf Metall” has been our special research field. The family enterprise ZWEZ-CHEMIE GmbH implies consistency and innovative strength in exploring the interactions of chemicals on iron and non-ferrous metal surfaces. There is continuous development in all fields of processing treatment of metals. ZWEZ products as well as ZWEZ technologies contribute essentially to continuously facilitate the improvement of both production processes and environmental performance.

Structure

The headquarters of the ZWEZ group is located in Lindlar near Cologne (Germany), and this is where the company’s three major departments —administration and sales—research and development—application engineering and production—are based. The Lindlar headquarters are the most important production location and logistical centre for worldwide sales management. According to the

principle *operating worldwide but centrally managed* branch offices and all activities worldwide are managed from the German company site. The brand “ZWEZ” is protected in more than 60 countries guaranteeing our customers everywhere in the world that state-of-the-art ZWEZ technology is contained in a product that bears the ZWEZ name.

History

Since its founding in 1938, the owner-managed ZWEZ-CHEMIE GmbH has been guided by a special self-conception: Performance before profit! This company philosophy has secured our continued existence for more than 75 years and contributes to the fact that today we are world leaders in the field of metal chemistry. In 2005, the ZWEZ-CHEMIE GmbH was incorporated into the Peter-Zwez-Foundation in order to be able to engage in future independent market participation.

Commitment

Customer focus, promptness, and flexibility conjoined with the innovative power of the ZWEZ teams, will be the guarantor for top performance in the field “Chemie auf Metall” in the future. The ZWEZ team guarantees the customer a reliable choice of products and has a deep insight into the complete production process. The technical sales force assists our customers in the introduction of our products on location supporting them with accompanying service. ZWEZ experts train their associates on the customer side during the entire cooperative effort.

Sustainability

Confidentiality, continuous adjustment of technology to the changing requirements in manufacturing techniques and environment standards with state-of-the-art products and technologies is a matter of course at ZWEZ. This is how we have earned and cultivated our customers’ confidence for 75 years.

Environment

Already ZWEZ’s *founder innovation* has improved the environmental performance in chemical surface treatment significantly establishing the company’s success. Since then, eco-friendliness has always been one of the most important targets and has motivated ZWEZ and the ZWEZ experts in the constant maintenance of their highest performance levels for decades.

OPERATING WORLDWIDE, CENTRALLY MANAGED

GERMANY*

ZWEZ-CHEMIE GMBH (HQ)

BRAZIL*

ZWEZ do Brasil LTDA

INDIA*

ZWEZ Office India



*Registered trademark

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