ZINC FLAKE COATING SYSTEMS

REMCOR

Inorganic. Innovative. Zinc Flake Coatings by Rembrandtin.

REMBRANDTIN IS ONE OF THE WORLD'S LEADING PRODUCERS OF SPECIALTY COATINGS

REMBRANDTIN STANDS FOR TRADITION, QUALITY AND INNOVATION

HIGHTECH COATINGS FOR DIFFERENT REQUIREMENTS

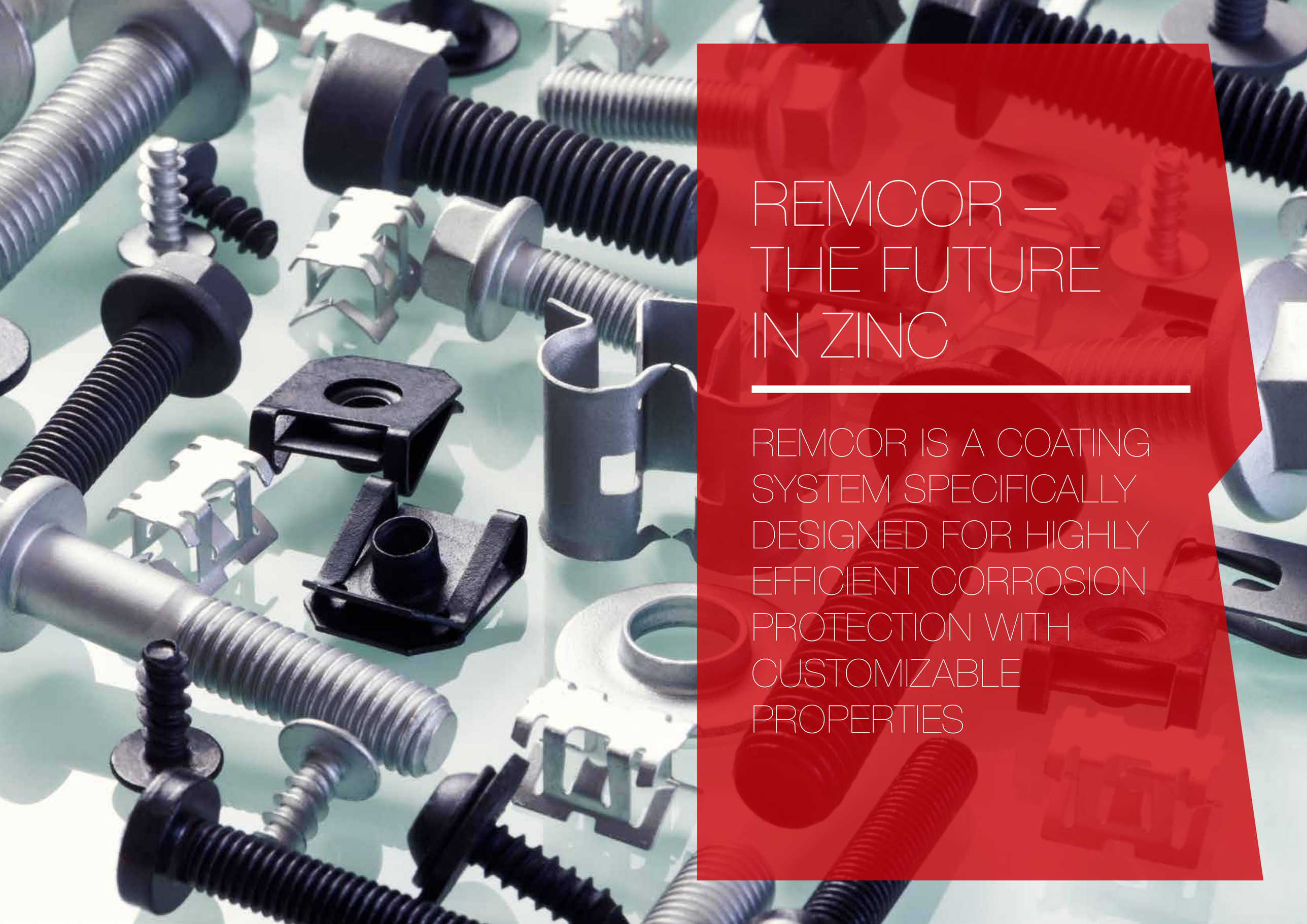
The history of Rembrandtin Lack GmbH Nfg. KG dates back to the year 1937. Today, the company is a specialist for high-tech coatings like high-temperature resistant systems, core plate varnishes or railway coatings. Decades of experience make us a reliable partner with global approvals from market leaders in the general industry and the automotive sector. Since 2014, the company is part of the Helios Group, which belongs to the top ten companies of the European coatings industry.

YOUR PROFESSIONAL PARTNER WORLDWIDE

Rembrandtin exports more than 70 % of its products globally. Our sales representations worldwide enable us to support our customers personally and on site, whether in China, Brazil, India or Russia.

SUSTAINABLE RESEARCH AND DEVELOPMENT

Around 35 % of employees work in research and development. The experienced professionals develop the special properties of our product solutions to meet the requirements of our customers and the steadily rising demands of the industry. In this context preserving sustainability is of major importance – in 2012 Rembrandtin was the first Austrian company to receive the European Responsible Care award.



REMCOR – THE FUTURE IN ZINC

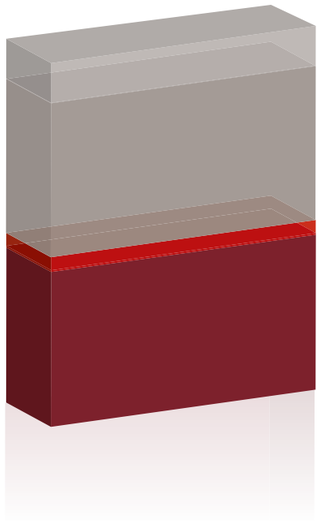
REMCOR IS A COATING SYSTEM SPECIFICALLY DESIGNED FOR HIGHLY EFFICIENT CORROSION PROTECTION WITH CUSTOMIZABLE PROPERTIES

ZINC FLAKE COATING SYSTEMS

SYSTEM STRUCTURE

The zinc flake coating system is a method to apply cathodic corrosion protection in a currentless way. Additional topcoats increase the performance.

The REMCOR ZINC FLAKE COATING SYSTEM consists of a basecoat (REMCOR BASE) and a topcoat (REMCOR TOP). This results in a perfectly adjusted system with multifunctional properties.



Topcoat

Basecoat (zinc flake)

Blasting, Zinc phosphating (< 3 µm) or alkaline cleaning

Metallic basic material (substrate)

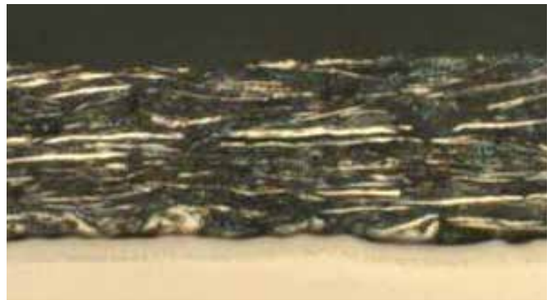
REMCOR BASE: HIGH CATHODIC CORROSION PROTECTION

The basecoats REMCOR BASE silver and REMCOR BASE black provide an active corrosion protection due to the sacrificial effect of the zinc flakes. These systems are highly efficient and are also available as air- and force-drying systems. Their application prevents hydrogen embrittlement, the basecoats themselves may be fine-tuned with integrated lubricants to the required coefficient of friction.

REMCOR TOP: CUSTOMIZABLE

REMCOR TOP is an organic topcoat specifically designed to be applied on REMCOR BASE. The coating material is also well suited as topcoat for duplex applications on galvanized surfaces (such as zinc and zinc alloys). REMCOR TOP can be customized to complement and enhance the protective effect of the basecoat and defines the mechanical properties of the system. Combined with REMCOR BASE black, for example, a durable opaque black coating for the automotive industry may be created.

Zinc flakes under the microscope



PROPERTIES AT A GLANCE

- High cathodic corrosion protection
- Defined friction properties
- Good adhesion and abrasion resistance
- High chemical resistance
- Electrical conductivity
- Extremely thin layer (8-12 µm)
- Resource saving

REMCOR – SUPREMELY THIN, OPTIMAL RESISTANCE

WITH ONLY A FEW MICROMETERS OF LAYER THICKNESS, REMCOR ZINC FLAKE COATING SYSTEMS RESIST FOR ONE THOUSAND HOURS IN THE SALT SPRAY TEST.

FIELDS OF APPLICATION

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AUTOMOTIVE INDUSTRY

The constant development of new construction methods in the automotive industry results in ever increasing requirements regarding layer thickness, heat resistance, and screwing properties. REMCOR zinc flake coatings prove to be the system of choice due to the wide range of application and high effectiveness.

- Seat belt buckles and pillar loops
- Break discs
- Compressing springs
- Band clamps
- Rear axle
- Screws and nuts

CONSTRUCTION INDUSTRY

In the construction sector, REMCOR systems are excellently suited for a broad range of fixing elements.

- Bolts
- Wireways
- Connecting elements
- Screws and nuts
- Door mountings

COMMERCIAL VEHICLES / BICYCLE INDUSTRY / AGRICULTURAL MACHINERY

REMCOR zinc flake coating systems offer significant advantages for the treatment of commercial vehicles and agricultural machinery as well as for mechanical engineering in general. The performance of the system combined with the low film thickness is ideal for protecting transverse links, cross members, chain links, or brake handles, and represents a decisive advantage in the manufacturing process.

- Subframes
- Bolts
- Break lever
- Chain links
- Screws and nuts
- Suspension arms

WIND POWER (ON- AND OFFSHORE)

Wind power stations and their components are permanently exposed to extreme conditions. Therefore, they require adequate corrosion protection.

- Threaded bolts
- Screws
- Connecting elements

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