



Do you have high quality goals?  
Reach them with our

# TRANSPORTATION COATINGS



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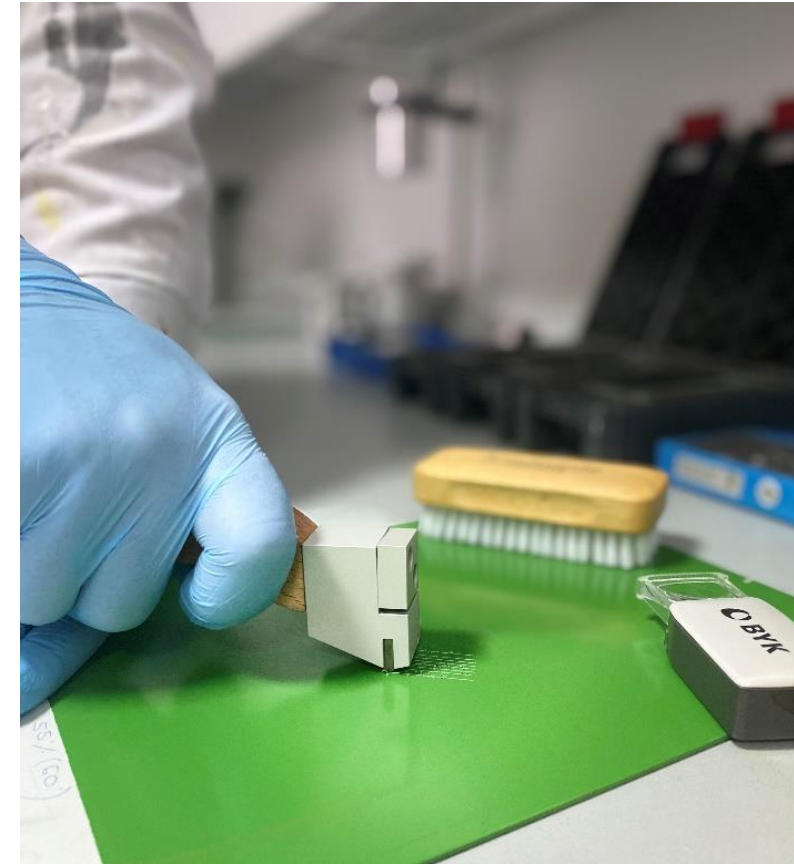
Beyond better.



# WE CREATE MORE VALUE THROUGH TECHNOLOGY AND INNOVATION

The CREBONIT GROUP is a leading manufacturer of paints and coating solutions for the protection of industrial goods, infrastructures, machines and vehicles in various sub-segments. From classic steel structures and bridges to tunnels, gas engines, vehicles and plastic applications, our coatings protect the handmade structures from all the forces of nature and other external influences. With a strong focus on innovation, we develop advanced coating and coating solutions. Our approach is simple: "We are curious, creative and self-critical and always want to create "added value" for our customers. We offer a complete portfolio in the field of liquid coatings including technical expertise for our business areas.

We also believe that the coating industry can and should contribute to a better environment, so we invest in advanced UHS, water-based and completely emission-free coating solutions to reduce material consumption and emissions and achieve your environmental goals in combination with higher cost efficiency.





# WHY CREBONIT?

As an international supplier of coating systems, our products protect industrial goods, major infrastructures, houses and machinery from the strong effects of nature – to make our world more robust, beautiful and sustainable.

We see ourselves as the protector of your most valuable assets. Whether you need a PROTECTIVE coating against corrosion for a power plant, a coating that eliminates electrostatic charges for a machine, or an easy-to-clean coating for your hygiene management.

Regardless of your project, our research and development team and consultants will work with you to create the perfect solution for your needs. Our technical service teams will assist you throughout the assessment process to ensure that your coatings are applied accurately and efficiently.

With 20 sales offices, ISO 9001:2015 and ISO 14001:2015 certified production sites and a central and strong research and development center, we are there for you.

All our production sites include a QM (Quality Management) department that monitors quality, adapts products to local requirements and monitors future developments.



We help you with:

- ✓ **Extension of the plant life cycle with reduced total cost of ownership**
- ✓ **Reduction of maintenance costs**
- ✓ **Improving your environmental goals and specifications (VOC & TOC)**
- ✓ **Intelligent application and maintenance Efficiency**
- ✓ **Targeted training of your employees to improve application quality**



conceived and developed







Beyond better.



# EPOXY PRIMERS

## CREBOPOX Primer ZG10 HS

2K primer based on epoxy and polyamide resins, solution centerlhaltigeig. Fast trock end, efficient with good corrosion protection. In addition, the product is characterized by good weather resistance when stored outdoors.

Primer for all types of steel surfaces.

The wide range of applications distinguishes ZG10 in particular, as it can be used on blasted as well as on non-blasted steel.

MV / Hardener:	3 : 1 Volume CREBOPOX Hardener ZH37 HS
Thinner:	CREBOSOLV Thinner VK14
Solids:	62 % Volume
Dry Film Thickness:	50 – 120 µm DFT
Coverage:	7,75 m²/l at 80 µm DFT
Packing:	15 + 5 L

## CREBOPOX Directprimer ZG14 HS

2K primer / filler based on epoxy and acrylate resins, quick drying, solvent based. The product is suitable for several substrates. In addition, it can be overpainted by wet in wet technology with 2k PUR systems. After prolonged storage, it does not need to be additionally activated.

ZG14 is a state-of-the-art primer filler with exceptional properties in every way. Especially used in areas where top corrosion protection, multi-substrate suitability and fast overpainting play a role. Available with 3 hardeners (S/M/L)

MV / Hardener:	4 : 1 Weight CREBOPOX Hardener ZH51/S8 HS
Thinner:	CREBOSOLV Thinner VK14
Solids:	81 % Weight 61 % Volume
Dry Film Thickness:	60 – 180 µm DFT
Coverage:	11,3 m²/kg bei 40 µm DFT
Packing:	4 +1 kg / 20 + 5 kg

# EPOXY ZINCDUST PRIMER

## CREBOZINC Primer MG45 UHS

Special 2K zinc dust primer based on modified epoxy resin, solvent-containing.

The product offers excellent corrosion protection for sandblasted steel structures and objects in all segments. In combination with suitable fillers and topcoats also fully salt water resistant. After curing, the product is insoluble in mineral oils and aliphatic hydrocarbons.

MV / Hardener:	10 : 1 Weight CREBOPOX Hardener ZH51/5
Thinner:	CREBOSOLV Thinner VK14
Solids:	78 % Weight 51 % Volume
Dry Film Thickness:	60 – 120 µm DFT
Coverage:	3,37 m²/kg at 80 µm DFT
Packing:	10 + 1 kg





# ACRYLATE POLYURETHANE PRIMERS AND FILLERS

## CREBOPUR Directfiller ZG60 HS

2K primer filler, lead- and chromate-free, universally applicable as primer and filler based on special acrylates with a flash point above >23°C and fast drying properties.

Due to its low-pore surface, itcan be used as a classic primer for production. Provides comprehensive adhesion to various substrates and has top corrosion protection. The product is used as a primer or as a filler. Repainting with 1 K and 2K topcoats in wet process easily possible.

MV / Hardener:	CREBOPUR Hardener ZH70 HS
Thinner:	CREBOSOLV Thinner VZ41
Dry Film Thickness:	40 - 100 µm DFT
Solids:	62 % Volume
Coverage:	10,33 m²/l at 60 µm DFT
Packing:	17,5 kg + 2,5 kg, / 250 kg

## CREBOPUR Effectprimer ZG52 HS

2K effect filler / acrylate-based primer with very good mechanical strength: solvent-based, weather-resistant and multi-substrate suitable.

Suitable for industrial applications with high demands on abrasion resistance, surface hardness and chemical resistance. Specially developed for applications on wood, MDF, various metals as well as on ABS plastics and composites.

MV / Hardener:	10 : 1 Weight CREBOPUR Hardener ZH66
Thinner:	CREBOSOLV Thinner VZ41
Solids:	73 % Weight 52 % Volume
Dry Film Thickness:	50 – 350 µm DFT
Coverage:	7,20 m²/kg at 50 µm DFT
Packing:	10 + 1 kg

## CREBOPUR Filler ZG20 HS

Special 2K filler on acrylate/polyester binders with excellent properties in terms of resistance, insulation and gloss optimization in high-gloss coatings. Applicable as wet-in-wet or as a classic filler with intermediate drying.

Suitable as an adhesion promoter for ABS, GRP and other plastics. Processable with all common application methods (Airmix, Airless, HVLP and E-Static.)

MV / Hardener:	2 : 1 Volume CREBOPUR Hardener ZH 70 HS
Thinner:	CREBOSOLV Thinner VZ41
Solids:	54 % nach Vol.
Dry Film Thickness:	50 – 80 µm DFT
Coverage:	13,5 m²/l at 40 µm DFT
Packing:	10 + 5 L / 20 + 10 L





# ACRYLATE POLYESTER TOP COAT

## CREBOCRYL Basecoat KM10

1K basecoat, effect lacquer and metallic based on special acrylic resins and CAB. The product is available ex works or can be manufactured in different shades via the crebomix system. Colours are available in UNI or Metallic.

Available in 0096 silver and in more than 10,000 shades.



MV / Hardener:	x
Thinner:	CREBOSOLV Thinner VZ41
Solids:	35 % Volume
Dry Film Thickness:	25 - 40 µm DFT
Coverage:	17,5 m²/l at 20 µm DFT
Packing:	10 L / 20 L

## CREBOPUR Topcoat ZD38 HS

Top 2K Acryl/Polyester Topcoat fort he application in typical commercial vehicles as well passenger car application..

Ideally suited for the painting of truck cabins, trailers and all parts in the transport sector that require a TOP paint, gloss retention, UV and light resistance.

The product is supplied at the factory in different shades and can be produced in many shades via the modular crebomix system.



MV / Hardener:	2 : 1 Volume CREBOPUR Hardener ZH69 HS
Thinner:	CREBOSOLV Thinner VZ44
Solids:	55 % Volume
Dry Film Thickness:	40 – 50 µm DFT
Coverage:	13,75 m²/l at 40 µm DFT
Packing:	20 L / 200 L

## CREBOPUR Topcoat ZD57 HS AS

2K clear coat with special properties in terms of UV resistance, scratch resistance, chemical resistance as well as anti-ice and anti-fog properties.

Ideally suited for the painting of truck cabins, trailers and all parts in the transport sector that require a TOP paint, gloss retention, UV and light resistance.

The product is supplied at the factory in different shades and can be produced in many shades via the modular crebomix system.



MV / Hardener:	2 : 1 Volume CREBOPUR Hardener ZH58 HS
Thinner:	CREBOSOLV Thinner VZ44
Solids:	58 % Volume
Dry Film Thickness:	40 – 60 µm DFT
Coverage:	14,5 m²/l at 40 µm DFT
Packing:	10 L + 5 L / 200 L





# ACRYLATE - POLYESTER MONOCOAT

## CREBOPUR Monocoat ZE58 HS

2K single-layer coating based on acrylic and polyester resins with top UV resistance and excellent corrosion protection. Suitable for systems up to C4 vh in single-layer application. The product has good abrasion resistance, high hardness and impactability combined with excellent chemical resistance to oils, fuels, salt and diluted acids.

Available gloss grades:  
ZE58/C = ca. 55 GU at 60°, ZE58/D = ca. 90 GU at 60°



MV / Hardener:	4 : 1 Weight CREBOPUR Hardener ZH53/S6 HS
Thinner:	CREBOSOLV Thinner VZ41
Solids:	76 % Volume
Dry Film Thickness:	40 – 160 µm DFT
Coverage:	9,5 m²/l at 80 µm DFT
Packing:	20 kg + 5 kg / 230 kg + 25 kg

## CREBOPUR Monocoat ZE41 HS

2K single-layer coating of the latest generation based on polyurethane resins with exceptional properties in terms of gloss resistance, UV stability and corrosion protection. Suitable as a single-layer coating or topcoat for all kinds of applications in steel construction, e.g. for buildings, agricultural machinery and containers.

The product dries extremely quickly even with higher TSD and thus enables fast handling processes in production operation.

Available in two different gloss levels:

ZE41/C = approx. 60 GU at 60°, ZE41/E = 95 GU at 60°



MV / Hardener:	3 : 1 Volume CREBOPUR Hardener ZH66
Thinner:	CREBOSOLV Thinner VZ41
Solids:	67 % Volume
Dry Film Thickness:	40 – 120 µm DFT
Coverage:	13,40 m²/kg at 50 µm DFT
Packing:	15 L + 5 L





# ACRYLATE POLYESTER CLEARCOAT

## CREBOPUR Clearcoat ZK35 HS AS

Special 2K clearcoat based on acrylic/polyester for use in crebonit coating systems.

Special clearcoat for use on completely matt surfaces must meet the extreme mechanical and chemical stresses.

The product is characterized by an extremely low gloss level of < 5 GU/60 °.

MV / Hardener:	4 : 1 Weight CREBOPUR Hardener ZH70 HS
Thinner:	CREBOSOLV Thinner VZ41
Solids:	60 % Volume
Dry Film Thickness:	30 – 100 µm DFT
Coverage:	15 m²/l at 40 µm DFT
Packing:	10 + 2,5 kg / 20 + 5 kg

## CREBOPUR Clearcoat ZK38 HS

2K acrylic/polyester clear coat for top vehicle coatings and for use in systems with ZG20 or KM10.

Provides excellent tough elasticity, UV and light resistance, as well as scratch and impact resistance.

Suitable for use on passenger cars. VOC Compliant.

MV / Hardener:	2 : 1 Volume CREBOPUR Hardener ZH69 HS
Thinner:	CREBOSOLV Thinner VZ44
Solids:	55 % Volume
Dry Film Thickness:	40 - 60 µm DFT
Coverage:	13,75 m²/l at 40 µm DFT
Packing:	10 L + 5 L / 200 L

## CREBOPUR Clearcoat ZK57 HS AS

2K acrylic/polyester clear coat for top vehicle coatings and for use in systems with ZG20 or KM10.

Provides excellent tough elasticity, UV and light resistance, as well as scratch and impact resistance.

Suitable for use on passenger cars. VOC Compliant.

MV / Hardener:	2 : 1 Volume CREBOPUR Hardener ZH58 HS
Thinner:	CREBOSOLV Thinner VZ44
Solids:	58 % Volume
Dry Film Thickness:	40 – 60 µm DFT
Coverage:	14,5 m²/l at 40 µm DFT
Packing:	10 L + 5 L / 200 L







RAL 0060



RAL 1002



RAL 3009



RAL 7005



RAL 7035



RAL 7038



RAL 9002



RAL 9005

RAL 9010



RAL 9007 silbergrau dunkel

Used as an image for the galvanized primer MG45 MG46.



RAL 9006 silbergrau

Used as a figurative representation for the silver-gray product ZG76



crebomix®

Used as an illustration that the product is available in the CREBOMIX mixing system. The system is available as a volumetric and gravimetric option.

All products marked with this mark are available ex works, as are READY-MIX products. Note: The MOQ applies per product and shade.



Related to: RAL 841 GL, RAL 840 HR, RAL Design, RAL Effekt

## Technical Note

During processing, the current EC safety data sheets must be observed. In liquid state, the products are water-polluting and must not enter water bodies.

The oral and written information and recommendations correspond to our current state of knowledge and are intended to provide the buyer with information. They do not release the buyer from testing the products for suitability and application. We guarantee impeccable quality within the framework of our General Terms and Conditions. All previous product data sheets are hereby terminated.

## Disclaimer

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Ausstellungsdatum:

04/11/2022

Herausgeber:

CREBONIT COATINGS GmbH / CREBO-HOLDING GmbH

Bildnachweis:

crebonit Archiv

All specifications without warranty, errors and omissions are expected, changes are retained.



## General Terms and Conditions of Sale

### Blend:

It is understood that the quantity of materials (the "Products") to be delivered under this invoice may vary by ten percent (10%) more or less than the quantity ordered. In the absence of an obvious error, the weights and measurements of the Seller shall apply.

Delivery, title and risk of loss:

All sales and prices are ex works (place of manufacture)(Incoterms 2020), unless otherwise stated on the front of this invoice. Ownership and risk of loss shall pass from the Seller to the Buyer at the time and place of delivery.

Taxes included in the price:

At Seller's option, Seller has the right to add taxes, government fees, transportation costs, insurance premiums or other third party costs to the price indicated herein, provided that: (i) the cost of manufacturing and delivering the Product is increased for seller; or (ii) seller is required by law to collect such amounts.

Payment:

Deliveries are subject to the Buyer's prior cash payment in full or the prior credit agreement with the Seller on a delivery basis. If payment is not made in accordance with the provisions of this Agreement or if at any time the Seller has doubts about the Buyer's financial situation, the Seller has the right, in its sole discretion, to withhold delivery of Products.

Limited Warranty:

The Seller does not provide any express or silent warranty unless the Seller owns the Product and the Products meet the Standard Specifications of the Seller or Manufacturer. The Seller makes no representations or warranties, express or implied, as to merchantability, fitness for a particular purpose or other matters relating to the Products, including, without limitation, the absence of impurities. The warranties listed herein apply only to the Buyer and are not transferable by the Buyer to its customers or other parties.

Sole and exclusive remedy:

If, within ten (10) calendar days of receipt of the Product in question by the Buyer, the Buyer informs the Seller that the Product does not comply with the limited warranty set out in the preceding paragraph, the Seller shall, at its sole discretion, replace the defective Product or refund the purchase price to the Buyer. Transport costs incurred by the Buyer when returning the Product will not be refunded unless previously approved by the Seller. Such replacement or refund shall be Buyer's sole and exclusive remedy against the limited warranty provided in this Section.

Limitation of seller's liability:

The Seller's total liability for all losses and damages arising out of any reason (whether based on a contract, a guarantee of strict liability, tort (including negligence) or otherwise) shall in no case exceed the purchase price of the Products. Under no circumstances shall the Seller be liable for any incidental, indirect, special, consequential, exemplary or punitive damages suffered by the Buyer and any other person it has suffered or paid, and the Buyer shall indemnify the Seller against all. This limitation of liability shall continue to apply even after the failure of the above exclusive remedy. If, or not, the Seller provides technical or other advice to the Buyer in connection with the Product at the Buyer's request, the Seller shall not be liable for it (whether in contract, warranty, strict liability, tort (including negligence) or otherwise and the Buyer assumes the entire risk of such advice and its results. Seller's limitations of liability in this paragraph are without prejudice to any limitations or limitations available to Seller under contracts, laws, other laws or in equity.

Buyer's claim procedure:

The Buyer expressly acknowledges that the Seller manufactures the Products for sale to Customers for use in a variety of applications. The Buyer expressly assumes responsibility for determining whether the Products sold hereunder are suitable for the application for which the Buyer will use such Products, and the Buyer expressly assumes responsibility for testing such Products to determine whether the Delivered Products are suitable for the Products or unintended applications. The Buyer shall inspect and test each delivery of Products pursuant to this Agreement upon receipt of such Delivery in accordance with the Agreement. Before such products are used and within ten (10) days of each delivery, the Buyer must inform the Seller in writing of any claims due to weight, quality, loss or damage to the products delivered in this way. If the Seller is not informed of this, the Buyer waives all claims in relation to all products delivered in this way. The use of Products means that the Seller satisfactorily complies with this Agreement with respect to those Products. Attention:

Each party must comply with applicable laws and ensure that its affiliates, employees and agents acting in connection with a purchase agreement between the parties comply with applicable anti-corruption laws and economic sanctions. Export control and anti-money laundering laws of the United States of America, the United Kingdom, the European Union and its Member States, and the Republic of Korea. In no event shall any party be required by virtue of a purchase agreement between the parties or otherwise to take or refrain from taking any action that it believes in good faith to be in violation of applicable laws, including, without limitation, the anti-corruption, economic sanctions, export controls and money laundering laws of the United States, the United Kingdom; the European Union and its Member States and the Republic of Korea.

Interpretation:

These terms and conditions, together with the invoice to which they are attached (the "Invoice"), constitute the entire agreement between the parties in connection with the products described in the invoice, unless the invoice is delivered in accordance with a written purchase contract included in the invoice, a single instrument signed by duly authorized representatives of the buyer and seller and the purchase and sale of the (a "Purchase Agreement"). Any discrepancies between these terms and conditions and such a purchase contract will be decided in favor of the purchase contract. Each part of the total quantity of products indicated on the invoice is a separate sale. The manufacture and delivery of products by the Seller is to be excused if and to the extent that this is affected by force majeure.

The validity, interpretation and performance thereof as well as all related disputes are subject to the substantive laws of the register country of the issuing body of the CREBONIT Company, regardless of its rules of choice of law. The Convention on the International Sale of Goods is expressly excluded.

Jurisdiction:

All disputes arising out of or in connection with these Terms and Conditions, including disputes over their conclusion, binding, amendment and termination, shall be resolved in ordinary government courts. The place of jurisdiction is the respective headquarters of the issuing company of the CREBONIT Group!





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