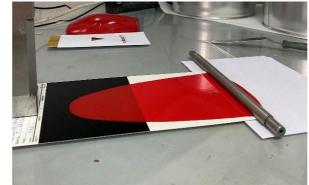




CREBONIT GROUP is a leading manufacturer of paints and coating solutions for protection of industrial infrastructure, machinery, and vehicles in various subsegments. From classical steel structure and bridges to tunnels, gas engines, vehicles, and plastic applications – our coatings protect the handmade structures against all forces of nature and other external influences. With strong focus on innovation we develop progressive paints and coating solutions. Our network concept 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 paint including technical expertise for the business segments.

We also believe that the coating industry can and should contribute to a better environment. Therefore, we invest in progressive Ultra High Solids, Waterborne and completely emission-free coating solutions to help to reduce material consumption and emissions and to reach their environmental objectives in combination with increased cost efficiency.











WHY CREBONIT?

As an international supplier of coating systems, our products protect industrial goods, significant infrastructures, houses, and machines against the strong impact of nature – to make our world more robust, more beautiful, and more sustainable.

We consider ourselves as 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 a easy-to-clean coating for your hygiene management.

Whatever your project is, our R/D team and consultants work together with you to create the perfect solution for your needs. Our technical service teams support you during the entire evaluation process, to make sure, that your coatings will be applied accurately and efficiently.

With 20 sales offices, ISO 9001:2015 and ISO 14001:2015 certified production locations and a central and strong R/D Centre, we are there to serve you the best way.

All our production locations include a QMR (Quality Management Representative) department, that monitors the quality, adjusts the products to the local requirements and monitors for future developments.



We help you:

- Increasing the assets lifecycle with reduced total operating costs
- > Reduction of maintenance costs
- Improvement of your environmental objectives and goals (VOC & TOC)
- Intelligent application and maintenance efficiency
- Targeted training of your employees to improve the application quality









ALKYD PRIMERS

CREBOKYD Primer KG03 HS

One component primer based on modified OH-functional alkyd resin (AK), with a wide range of application and good corrosion protection. Active pigment: zinc phosphate.

Suitable for the protection of blast cleaned steel constructions, containers, pipelines etc. in normal to lightly stressed industrial atmosphere with film thicknesses of $40\mu m$ as normal primer and up to 80µm as thick film primer.

KG03 is characterised by fast drying, easy processing, and thick layer application, if required.

mixing ratio / hardener:

thinner:	CREBOSOLV Thinner VK14
solid content:	81 % by weight
	54 % by volume
dry film thickness:	40 – 100 μm DFT
coverage:	8,382m²/kg at 40 my DFT
packing:	15 kg, 30 kg

CREBOKYD Primer KG08 ST HS

One component primer based on modified alkyd resin (AK), with a wide range of application. Active pigment: zinc phosphate.

Suitable for the protection of blast cleaned steel constructions, containers, pipelines etc. in normally to lightly stressed industrial atmosphere with film thicknesses of 40µm as normal primer and up to 100µm as thick film primer.

KG07 is characterised by fast drying, easy processing and thick film application. The product is very suitable for modular production because it can be welded over odourless without any problems.



mixing ratio / hardener:	×	
thinner:	CREBOSOLV Thinner VK14	
solid content:	82 % by vol.	
dry film thickness:	40 – 100 μm DFT	
coverage:	9,96 m²/kg at 40 µm DFT	
packing:	15 kg, 30 kg, 200 kg	

CREBOKYD Primer KG09 HS

One component primer based on modified alkyd resins with supporting acrylates, with a wide range of applications. Offering a active and passive corrosion protection. Suitable for the protection of non-blasted and blasted steel structures, containers steel works etc in normally to lightly stressed atmosphere with thicknesses of 40 my as normal primer up to 120 my as thick layer primer. KG09 is characterized by a medium speed drying, easy processing, excellent flow and top applicability on bigger surfaces due to overspray reduction.

mixing ratio / hardener:	x
thinner: VK64	CREBOSOLV Thinner
solid content:	72 % by weight 65 % by volume
dry film thicknesses:	40 – 80 μm DFT
coverage:	11,77 m²/kg at 40 μm DFT
packing:	15 kg, 30 kg, 200 kg



EPOXY PRIMERS

CREBOPOX Primer ZG12 HS

Two component primer based on epoxy/polyamide resin, solvent based. Fast drying, efficient with good corrosion protection. Furth more, the product is characterized in case of outdoor storage.

Primer for all kind of steel surfaces. Main application is the first coat application for machines in modular production method due to the excellent weather resistance (storage) and long-term overcoat ability without activating. Actively pigmented product for the transportation and machine building sector.

mixing ratio / hardener:	11 : 1 by volume CREBOPOX ZH52 HS
thinner:	CREBOSOLV VK14
solid content:	66 % by volume
dry film thickness:	80 – 240 μm
coverage:	8,25 m²/l at 80 μm DFT
packing:	22 I

CREBOPOX Directprimer ZG14 HS

Two-component primer/filler based on epoxy and acrylate resins, fast drying, solvent-based. The product is suitable for several substrates. Further it can be overcoated by wet-on-wet technology with 2k PUR systems as well it don't need additional activating after longer storage.

ZG14 HS is a state-of-the art direct primer with exceptional properties in all regards. Specially used in sectors, where top corrosion protection, multi-purpose adhesion and fast overcoating matters. Specially designed for users, which have several different substrates to protect.

mixing ratio / hardener:	4:1 by weight
	CREBOPOX Hardener ZH51/S8
thinner:	CREBOSOLV Thinner VK15
solid content:	81 % by weight
	61 % by volume
dry film thickness:	60 – 180 µm DFT
coverage:	11,3 m²/kg at 40 μm DFT
packing:	4 kg, 20 kg

EPOXY ZINCRICH PRIMERS

CREBOZINC Primer MG45 UHS

Special two-component zinc-rich primer based on modified epoxy resin, solvent-based.

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

mixing ratio / hardener:	10:1 by weight
	CREBOPOX Hardener ZH51/5
thinner:	CREBOSOLV Thinner VK14
solid content:	78 % by weight
	51 % by volume
dry film thickness:	60 – 120 μm DFT
coverage:	3,37 m²/kg at 80 µm DFT
packing:	10 kg

CREBOZINC Primer MG46 UHS

Special two-component zinc-rich primer based on modified epoxy resin, solvent-based.

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

mixing ratio / hardener:	12:1 by weight
	CREBOPOX Hardener ZH33
thinner:	CREBOSOLV Thinner VK14
solid content:	87 % by weight
	53 % by volume
dry film thickness:	60 – 80 µm DFT
coverage:	3,43 m²/kg at 60 µm DFT
packing:	12 kg



ACRYLATE POLYURETHANE PRIMERS AND FILLERS

CREBOCRYL Primer PG05 HS

One component primer, lead- and chromate free, universally usable as wash- and shop primer based on special Acrylates with a flashpoint over 23°C, with fast drying properties.

Due to its low pore surface, it can be used as classical shop primer for modular production. Offering extensive adhesion on several substrates

The product is used as adhesion promoter. Recoat able with 1K and 2K topcoats by wet-on-wet method.

mixing ratio / hardener:	x
:hinner:	CREBOSOLV Thinner VZ41
dry film thickness:	15 – 60 μm DFT
solid content:	72 % by weight
	56 % by volume
coverage:	8,21 m²/kg at 20 µm DFT
packing:	10 kg, 30 kg

CREBOPUR Effectprimer ZG52 HS

Two component structure and effect filler/primer, based on acrylate 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 designed for applications on Wood, Plywood, several metal substrates as well as on ABS plastics and composite materials.

	40.41
mixing ratio / hardener:	10 : 1 by weight
	CREBOPUR Hardener ZH66
thinner:	CREBOSOLV Thinner VZ41
solid content:	73 % by weight
	52 % by volume
dry film thickness:	50 – 350 μm DFT
coverage:	7,20 m²/kg at 50 µm DFT
packing:	10 kg

CREBOPUR Uni-Primer ZG59 HS

Two component uni primer based on acrylate, polyester, polyurethane resins with active corrosion protection for steel and aluminum surfaces. Also, in use as adhesion promotor for GRP, ABS and Coil.

Primer, adhesion promoter and sand able filler for several applications and sectors.

mixing ratio / hardener:	9:1 by weight
	CREBOPUR Hardener ZH62 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	79 % by weight
	61 % by volume
dry film thickness:	20 – 150 μm DFT
coverage:	11,73m²/kg at 40 µm DFT
packing:	9 kg





ALKDYD - ACRYL TOPCOAT MONOCOAT

CREBOPLAST Monocoat PE50 HS

One-component Monocoat, Effectcoat and Topcoat based on special Acrylic resins. The product replaces outdated PVC coating materials and is characterized by very good UV stability, elasticity, fast drying and multi substrate adhesion. Suitable for protective and decorative coatings of steel, galvanized steel, and aluminum. Especially for metalworks, roofs, and effect related coatings.

Available in 0096 Silver as well in more than 10.000 color shades.

RAL



mixing ratio / hardener:	x
thinner:	CREBOSOLV Thinner VZ41
solid content:	66 % by weight
	45 % by volume
dry film thickness:	50 – 150 μm DFT
coverage:	10,49 m²/kg at 50 µm DFT
packing:	20 kg

CREBOKYD Monocoat KE02 HS

One-component Monocoat or Topcoat based on modified high solid alkyd resin with high volume solids and high filling power.

Suitable for single layer applications of all kind of steel structures as well in the field of agricultural machines, containers, and general industry. The application is for indoor as well for outdoor areas from low to medium impact and atmosphere.

Gloss grade: approx. 45 GU at 60°





x
CREBOSOLV Thinner VK64
73 % by weight
62 % by volume
40 – 120 μm
13,24 m²/l at 40 μm DFT
20 l

CREBOKYD Monocoat KE83 HS



Available in 4 different gloss grades from 25 GU up to 90 GU at 60°





x
CREBOSOLV Thinner VK64
69 % by weight
55 % by volume
40 – 120 μm DFT
11,0 m²/kg at 40 µm DFT
10 kg, 20 kg, 200 kg

ACRYL - POLYURETHANE TOPCOAT

CREBOPUR Topcoat ZD23 HS

Two-component topcoat based on acryl/polyurethane resins with good UV stability, elasticity, and chemical resistance. Moreover, applicable in thick layers. The product has a high abrasion resistance, high hardness and impact strength, very good resistance to chemical loads such as fuels, oils and dilated acids. Suitable as topcoat in coating systems for steel structures with medium to high stress.

Available in 3 gloss grades from 25 GU up to 95 GU at 60°.





mixing ratio / hardener:	10:1 by weight
	CREBOPUR Hardener ZH62 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	70 % by weight
	55 % by volume
dry film thickness:	30 – 120 μm DFT
coverage:	10,0 m²/kg at 40 µm DFT
packing:	10 kg , 20 kg

CREBOPUR Topcoat ZD30 HS

High quality two-component topcoat respectively Monocoat, based on a special polyurethane resin.

In coating systems for steel constructions in interior and exterior areas. Especially for galvanized sheet metal such as noise and crash barriers. To achieve an absolute pore-free surface obtain an average DFT of 120 µm as minimum. For application in exterior areas on carbon steel, additional primer is recommended.

Available in 2 gloss grades from 25 GU up to 60 GU at 60° .





mixing ratio / hardener:	9:1 by weight
	CREBOPUR Hardener ZH62 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	71 % by weight
	53 % by volume
dry film thickness:	60 – 150 μm DFT
coverage:	4,87 m²/kg at 80 μm DFT
packing:	9 kg

CREBOPUR Topcoat ZD22 MG

Two-component Topcoat material based on specific acrylates, polyester and polyurethane, graded with Miox. High quality Topcoat with outstanding UV-stability, elasticity, and chemical resistance.

Suitable for top coatings, where a high demand regarding optics, gloss and colour retention, hardness and durability is required.



mixing ratio / hardener:	12:1 by weight
	CREBOPUR Hardener ZH62 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	74 % by weight
	58 % by volume
dry film thickness:	60 – 120 μm DFT
coverage:	4,96 m²/kg at 80 μm DFT
packing:	12 KG

ACRYL - POLYURETHANE MONOCOAT

CREBOPUR Monocoat ZE25 HS

Two component Monocoat based on acrylic, polyester resins with good UV resistance and excellent corrosion protection. Suitable for systems up to C3 vh in single layer application. The product has a good abrasion resistance, high hardness, and impact strength in combination with excellent chemical resistance against oils, fuels, salt and thinned acids.

Available in 2 different gloss grades: ZE25/B = ca. 35 GU at 60°, ZE25/C = ca. 60 GU at 60°

RAL



mixing ratio / hardener:	20:1 by weight
mixing racio / nardener:	20: I by weight
	CREBOPUR Hardener ZH62 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	79 % by weight
	55 % by volume
dry film thickness:	40 – 160 μm DFT
coverage:	3,82 m²/kg at 100 µm DFT
packing:	20 kg

CREBOPUR Monocoat ZE41 HS

New generation two-component Monocoat based on polyurethane resins with exceptional properties regarding gloss retention, UV stability and corrosion protection. Suitable as Monocoat or topcoat for all kind of applications in the steel construction sector such as for buildings, agricultural machines, VZ41 and containers.

The product is extreme fast drying, even on higher DFT and that enables it for fast handling processes in productions.

Available in 2 different gloss grades:

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





mixing ratio / hardener:	3:1 by volume
	CREBOPUR Hardener
thinner:	CREBOSOLV Thinner
solid content:	71 % by weight
	67 % by volume
fry film thickness:	40 – 120 μm
coverage:	13,40 m²/kg at 50 μm DFT
oacking:	15 L, 30 L

CREBOPUR Monocoat ZE58 UHS

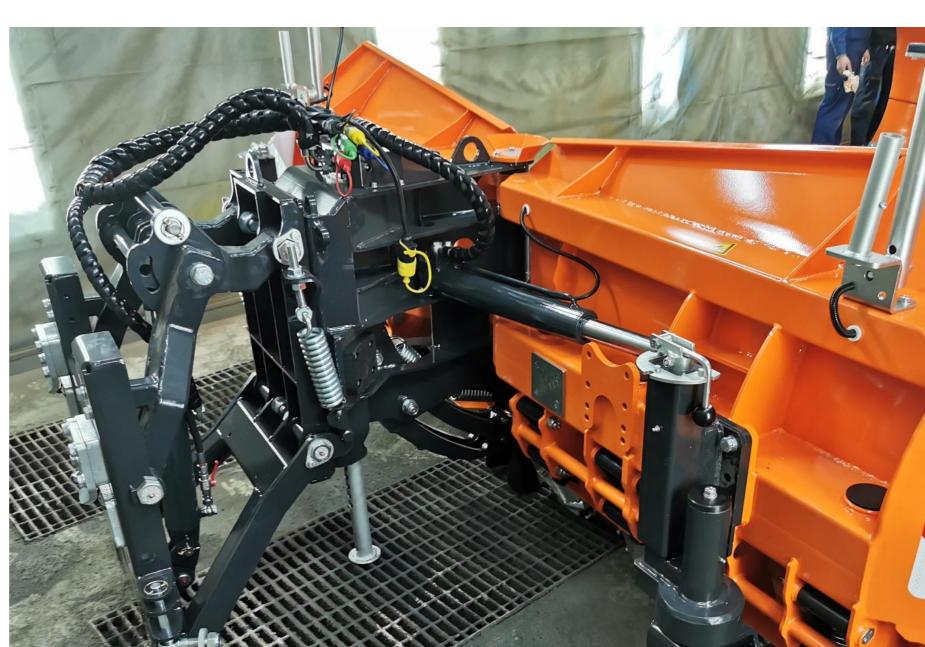
High quality two-component coating material based on special acrylic/polyaspartate binder (polyurea), low solvent content, excellent optics, extremely good weather resistance as well as good resistance against chemical and mechanical loads. Good resistance to oils, fuels, salts and thinned acids.

State of the art Monocoat for high-quality, impact and scratch resistant applications for pre-treated substrates such as steel structures, agricultural machines and devices, commercial vehicles, machines in the industrial field which have high demands on optics, surface evenness, colour stability, hardness and durability.

Due to the chemical composition, the product shows a very good alkaline resistance and can be used as UV resistant substitute for epoxy topcoats and in systems.



mixing ratio / hardener:	4 : 1 by weight CREBOPUR Hardener ZH53/S6 HS
thinner:	CREBOSOLV Thinner VZ41
solid content:	85 % by weight 76 % by volume
dry film thickness:	60 – 120 my
coverage:	10,21 m²/kg at 60 μm DFT
nacking:	10 kg. 20 kg





HIGH PERFORMANCE COATINGS

CREBOPROTECT Coating KM50 HS

One-component coating material based on special modified synthetic resins, air and oven drying, solvent-based, actively pigmented.

Special coating for the protection of temperature-controlled surfaces such as boiler plants, steel fittings, heaters etc. as well temperature stressed surfaces in the rail sector.

Temperature resistant up to +400°C dry heat in continuous operation.

mixing ratio / hardener:	x
thinner:	CREBOSOLV Thinner VZ41
solid content:	65 % by weight
dry film thickness:	30 – 100 μm DFT
coverage:	10,11m²/kg at 30 μm DFT
packing:	12,5 kg, 25 kg

CREBOPROTECT Coating ZE71 SEF

Emission- and solvent-free, abrasion resistant two-component coating based on high quality liquid epoxy resin with excellent resistance against water, chemicals, and mechanical impacts.

Certified for the usage in contact with drinking water and food. Certificate Number: 2131b-17/30089-20/59953

mixing ratio / hardener:	5 : 1 by weight CREBOPOX Hardener ZH97 SEF
thinner:	x
solid content:	100 %
dry film thickness:	180 – 750 µm DFT
coverage:	1,9 m²/kg at 300 µm DFT
packing:	12,5 kg

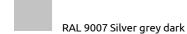
CREBOPROTECT Mastic ZG76

Two-component primer, intermediate or Monocoat based on liquid epoxy and acrylate, solvent-reduced with high lamellar corrosion pigmentation and inhibitors for top protection on the long run. Suitable for all kind of steel structures, where top corrosion protection, UV stability and exceptional chemical and mechanical resistance is needed. Due to its unique composition, the product is surface tolerant and cures even at -5 °C.

mixing ratio / hardener:	5 : 1 by volume CREBOPOX Hardener ZH50 HS
thinner:	CREBOSOLV Thinner VK14
solid content:	88 % by weight
	76 % by volume
dry film thickness:	100 – 240 μm DFT
coverage:	6,93 m²/l at 80 µm DFT
packing:	25 l, 200 l







Used as pictorial representation for MG45/MG46 Zinc-rich primer.



Used as pictorial representation for ZG76 Silver-gray product.



Used as pictorial representation that the product is available in the CREBOMIX Mixing system. The system is available as volumetric and gravimetric option.

All products marked with this sign are as well available as READY-MIX products from the factory production. Remark: the MOQ per product and color shade applies!



o: RAL 841 GL, RAL 840 HR, RAL Design, RAL Effect

Technical note

During the processing, the current EG safety data sheets must be respected. In liquid condition, the products are water contaminating and must not get into water bodies.

The spoken and written information and recommendations correspond to our current state of knowledge and are intended to provide information to the buyer. They do not free the buyer of testing the products regarding suitability and application. We guarantee for spotless quality in the frame of our general terms and conditions. Herewith all previous product data sheets cease to be valid.

Liability note

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All specifications without guarantee, errors and omissions expected, subject to change

General Terms and Conditions of Sale

Quantities:

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 manifest error, Seller's weights and measures shall govern.

Delivery, Title and Risk of Loss:

All sales and prices are ex works (the place of manufacture) (Incoterms 2010) unless otherwise specified on the front of this Invoice. Title and risk of loss shall pass from Seller to Buyer at the time and place of delivery.

Taxes included in the Price:

At Seller's option, Seller shall have the right to add to the price herein specified any tax, government charge, carrier's fee, insurance premium or other third party expense to the extent that: (i) it increases the cost to Seller of manufacturing and delivering the Product; or, (ii) Seller is required by law to collect such amounts.

Paymen

Deliveries shall be subject to Buyer's prior cash payment in full or prior credit arrangements with Seller on a delivery-by-delivery basis. If payment is not made in accordance with the terms hereof, or if Seller has any doubt at any time as to Buyer's financial condition, Seller shall have the right, at its option, to withhold delivery of Products.

LIMITED WARRANTY:

Seller makes no warranty of any kind express or implied, except that Seller owns the Product and that the Products conform to Seller's or manufacturer's standard specifications. Seller makes no other representation or warranty of any kind, express or implied, as to merchantability, fitness for a particular purpose, or any other matter with respect to the products, including without limitation the absence of contaminants. The warranties set forth herein are made only to Buyer and are not transferable by Buyer to its customers or any other party.

SOLE AND EXCLUSIVE REMEDY:

In the event that Buyer notifies Seller of a failure of the Product to conform with the limited warranty set forth in the preceding paragraph within ten (10) calendar days after receipt by Seller of the Product in question, then Seller shall, at its sole option, replace nonconforming Product or refund the purchase price thereof to Buyer. Any transportation charges incurred by Buyer in returning of the Products shall not be reimbursed unless authorized in advance by Seller. Such replacement or refund shall be buyer's sole and exclusive remedy for breach of the limited warranty provided by this section.

LIMITATION OF SELLER'S LIABILITY:

Seller's total liability for any and all losses and damages arising out of any cause whatsoever (whether such cause be based in contract, warranty, strict liability, tort [including negligence] or otherwise) shall in no event exceed the purchase price of the products. Seller shall not under any circumstances be liable for any (and buyer shall indemnify seller from and against all) incidental, indirect, special, consequential, exemplary or punitive damages incurred, suffered or paid by buyer and all other persons. This limitation of liability shall survive the failure of the exclusive remedy provided hereinabove. If Seller furnishes technical or other advice to Buyer, whether or not at Buyer's request, in connection with the Product, Seller shall not be liable therefor (whether in contract, warranty, strict liability, tort (including negligence) or otherwise), and Buyer assumes all risk of such advice and the results thereof. The limitations of Seller's liability in this paragraph are without prejudice to any limitation or restriction available to Seller under contract, statute, other law or equity.

Buyer's Claims Procedure:

Buyer specifically acknowledges that Seller manufactures the Products for sale to customers for use in a wide range of applications. Buyer specifically assumes all responsibility for determining whether or not the Products sold hereunder are suitable for the applications for which Buyer will use such Products, and Buyer specifically assumes all responsibility for testing said Products to determine whether or not said Products as delivered are appropriate for the intended applications. Buyer shall examine and test each delivery of Products pursuant to this agreement upon receipt hereof. Before such Products are used and within ten (10) days from each such delivery, Buyer shall notify Seller in writing of any claims on account of weight, quality, loss of or damage to the Products so delivered. Failure to so notify Seller shall constitute a waiver by Buyer of all claims with respect to all the Products so delivered. Use of Products shall be deemed to mean Seller's satisfactory performance of this agreement in respect of such Products. Compliance:

Each Party shall comply with, and shall procure that its affiliates, employees, agents and representatives acting in connection with any sales contract between the parties shall comply with, applicable laws (which shall include, without limitation, the anti-corruption, economic sanctions, export control and anti-money laundering laws of the United States of America, United Kingdom, European Union and its member states and Republic of Korea). In no event shall a Party be obligated under any sales contract between the parties or otherwise to take any action or omit to take any action that it believes, in good faith, would cause it to be in violation of any applicable laws, which shall include, without limitation, the anti-corruption, economic sanctions, export control and anti-money laundering laws of the United States, United Kingdom, European Union and its member states and 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 pursuant to a written purchase agreement incorporated into a single instrument which is signed by duly authorized representatives of Buyer and Seller and which governs the purchase and sale of the Products described in the Invoice (a "Purchase Agreement"). Any inconsistencies between these terms and conditions and such a Purchase Agreement shall be decided in favour of the Purchase Agreement. Each partial delivery of the total quantity of Products specified in the Invoice shall be a separate sale. The manufacture and delivery of Products by Seller shall be excused as and to the extent affected by force majeure.

The validity, interpretation and performance hereof and any dispute connected herewith shall be governed and construed in accordance with the substantive laws of the register country of issuing instance of the CREBONIT Company, without regard to its choice of law rules. 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 on its conclusion, binding effect, amendment, and termination, shall be resolved at ordinary governmental courts. Jurisdiction is the respective headquarters of the issuing CREBONIT Group company!









Beyond better.