



COATINGS

PRODUCT RANGE
Benelux



KRAHN CHEMIE – A STRONG PARTNER

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At KRAHN Chemie, you can find everything that a processor in the chemical industry values: a broad range of products from top international producers, competent technical support laboratory

services and logistic solutions. We share your high standards in terms of speed flexibility, and quality – and have proudly served as your strong and reliable partner for more than 100 years.

We look forward to assisting and advising you.

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Product Disclaimer

- 1. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. However, this information is given without obligation and does not exempt the buyer from carrying out own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. Any exception of the above-mentioned restrictions requires the manufacturer's express release in writing.*
- 2. The products sold and/or supplied by us are not destined for the manufacture (i) of medical devices according to EU directive 93/42/EEC, in particular of implants, (ii) of biocides, (iii) of pesticides, (iv) of human and veterinary pharmaceuticals, (v) of food and feed products, (vi) of cosmetics, (vii) of weapons or other objects, designed to take human life or causing injuries.*
- 3. At all times our Conditions of Sale apply.*
- 4. Our product lists include dangerous goods. The correct marking of such goods is described in the respective datasheets.*

ADDITIVES

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Adhesion promoters	Eastman Advantis™	Eastman Chemical	Waterborne, chlorine-free and APEO-free, adhesion promoters for adhesion of water-based coatings to thermoplastic, polyolefin-based plastics (TPO, PP).
	Eastman™ AP Eastman™ CP	Eastman Chemical	Chlorinated and non-chlorinated, solvent or water-based adhesion promoters for coatings applied on plastic parts (PP, PE, TPO).
Biocides (Film preservation)	Preventol®	Lanxess	Extensive range of film preservatives for protection against algae, fungi and lichens for interior and exterior applications.
Biocides (In-can preservation)	Preventol®	Lanxess	Extensive range of in-can preservatives for improvement of the shelf life of aqueous products, as well as for cleaning of production plants.
Coalescing agents	Eastman™ EEH Eastman Optifilm™ Enhancer 300 Eastman Optifilm™ Enhancer 400 Eastman Texanol™	Eastman Chemical	Coalescing agents for aqueous coatings and emulsion paints. Optifilm™ Enhancer 300 and Texanol™ are non-VOC. Optifilm™ Enhancer 400 is non VOC and is suitable for systems with no emission.
Functional amines	Advantex™	Eastman Chemical	Functional amine additive for waterborne coatings that optimizes pigment dispersions capabilities, improves early water resistance and supports flash rust inhibition. Enables overall formulation optimization.
	Vantex™-T	Eastman Chemical	VOC-free amine additive for low emission and yellowing free waterborne formulations. Ensures optimized syneresis-control at low dosages.
Inhibitors	Hydroquinone and derivatives	Eastman Chemical	Hydroquinone and derivatives are practical storage and in-process inhibitors when used by themselves or in combination.
Metakaolin	Metapor®	Dennert Poraver	Used as reactive pozzolanic hardening additive for cement and lime-based binder systems.
Open time additives	Eastman Optifilm™ OT1200	Eastman Chemical	Optifilm™ OT1200 allows formulators to significantly reduce VOC content in water-based trim and wall paints by replacing volatile glycols while improving open time and wet edge, without negatively affecting other paint properties.
Photoinitiators	Chemacure	UV Chem-Keys	UV-Photoinitiators to initiate polymer reaction in radiation curing systems.

ADDITIVES CONTINUED

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Rheology modifier	Bermocoll®	AkzoNobel	Cellulose ethers provide increased water retention, improved consistency and control rheology to provide sag resistance.
	Eastman Solus™	Eastman Chemical	Additives for excellent anti-sag behavior enhance metal flake orientation, surface defect reduction, and faster dry-to-touch time in high solids and waterborne paint systems.
	Eastman™ CAB	Eastman Chemical	Cellulose acetate butyrate provides a number of performance benefits including sag control, improved flow and leveling, redissolve resistance, and aluminium flake orientation in solvent-borne printing inks and coatings.
	Laviothix	Laviosa	Used for emulsion paint, ceramics glazed, latex paint, sealants, inks and other water-borne paint systems. Provide enhanced thickening, thixotropic and anti-settling properties, preventing sedimentation of suspended particles; also sag control and storage stability are increased.
	PLIOLITE® PLIOWAY®	Omnova Solutions	Thixotropic styrene/acrylate or respectively vinyl/acrylate resin to combine with PLIOLITE® or respectively PLIOWAY® binders.
	Viscogel	Laviosa	Rheological additives that provide thixotropie, anti-settling and anti-sagging properties within solvent based systems.

BINDERS

Acrylic copolymers	PLIOLITE®	Omnova Solutions	Styrene/acrylic, styrene/butadiene, vinyl/acrylic, and vinyl-toluene/ acrylic copolymers, soluble in several solvents for masonry paints, plasters, anticorrosion coatings and primers.
	PLIOLITE® Ultra	Omnova Solutions	Styrene/acrylic copolymer, soluble in aromatic-free solvents, for odorless masonry paints and plasters.
	PLIOWAY®	Omnova Solutions	Substituted styrene/acrylic copolymer with excellent stain-blocking properties, soluble in aromatic-free solvents, for masonry paints, plasters, primers, correction fluids and paints.
	PLIOWAY® Ultra	Omnova Solutions	Substituted styrene/acrylic copolymer with excellent stainblock-ing properties, soluble in odorless "isoparaffinic" solvents for masonry paints, plasters, primers, correction fluids and paints.
Acrylic dispersions	PLIOTEC®	Omnova Solutions	Pure acrylic and modified styrene acrylic dispersions for waterborne masonry, garage and floor paints as well as for DTM protection coatings with excellent adhesion on metallic and non-metallic substrates.
Acrylic emulsions	HYDRO PLIOLITE®	Omnova Solutions	Waterborne resin with exceptional adhesion for masonry and interior stain-blocking paints.
Cellulose esters	Eastman™ CA	Eastman Chemical	Cellulose acetate types with different degrees of acetylation and viscosity for several coating systems, also for production of foils.
	Eastman™ CAB	Eastman Chemical	Cellulose acetate butyrate which can be used as additive, modifying resin or major film former in printing inks and coatings (automotive, wood, plastic, industrial) to reduce dry time and/or to improve flow and leveling, sag control, redissolve resistance and aluminium flake orientation.
	Eastman™ CAP	Eastman Chemical	Because of its low odor, cellulose acetate propionate is principally used in printing inks and clear overprint varnishes to improve antiblocking and grease resistance.

BINDERS CONTINUED

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Epoxy hardeners	ADH	Otsuka Chemical	Adipic dihydrazide
	ECA 100 NC	Dixie Chemical Company	Blend HHPA/MHHPA/MTHPA, epoxy curing agent with excellent physical (UV and alkaline resistance) and electrical properties.
	HHPA	Dixie Chemical Company	Hexahydrophthalic anhydride
Impregnating agents	Aldepol H35	IMPARAT	The excellent penetration capability makes ALDEPOL H-35 especially suitable for primers free of plasticizers and solvents. Usages on absorbent surfaces such as gypsum, asbestos cement, plaster, concrete as well as sandy mineral.
Isocyanate resins	Aquolin®	Wanhua Chemical Group	Hydrophilically modified, aliphatic polyisocyanates for waterborne 2K-PU metal, glass, plastic and wood coatings.
OH acrylic dispersions	Antkote®	Wanhua Chemical Group	Waterborne hydrofunctional polyacrylic dispersions (OH-acrylic) for metal and glass coatings with excellent adhesion, high gloss and good chemical and corrosion resistance.
	Wantipro®	Wanhua Chemical Group	Waterborne hydrofunctional polyacrylic dispersions (OH-acrylic) for effect coatings with excellent orientation of aluminum pigments.
Polyester resins, saturated	Tetrashield™	Eastman Chemical	Highly resistant polyester resins for improving clear coats and pigmented coatings. Tetrashield™ binders combine the advantages of acrylate and polyester resins and enable permanent protection of different substrates.
Polymer dispersions	Eastek™	Eastman Chemical	Aqueous dispersions of sulfopolyester polymers with excellent performance characteristics (grain rising, clarity, drying speed, etc.) to enhance and improve waterborne coating systems for industrial wood applications.
Polyurethane dispersions	Crysol®	Wanhua Chemical Group	Waterborne polyurethane dispersions (PUD) for plastic coatings with very soft touch, excellent flexibility and good chemical resistance.
	Lacper®	Wanhua Chemical Group	Waterborne polyurethane dispersions (PUD) for wood coatings with very good open time, fast drying properties and good blocking resistance.
	Leasys®	Wanhua Chemical Group	Waterborne polyurethane dispersions (PUD) for synthetic leather with very good adhesion properties, excellent flexibility and good resistance properties.
	Tekspro®	Wanhua Chemical Group	Waterborne polyurethane dispersions (PUD) for textile and textile printing with very good adhesion properties, excellent flexibility, good haptic and good resistance properties.
Polyvinylbutyral resins	Butvar™	Eastman Chemical	Solid PVB-polymers with excellent properties (adhesion, clarity, toughness with flexibility, compatibility) especially for wood and metal coatings as well as for wash-primers.
Pure acrylics	Aldepol Pure Acrylics	IMPARAT	Imaparal Aldepol pure acrylics are aqueous dispersions based on acrylic acid ester free of APEO.
SAIB (Sucrose acetate isobutyrate)	Eastman™ SAIB	Eastman Chemical	Modifying resin, SAIB can yield coatings and printing inks of higher nonvolatile content, resulting in lower solvent requirements and greater coverage. In many cases, film adhesion and gloss are improved.
Specialities styrene acrylics	Aldepol Specialities Styrene Acrylics	IMPARAT	Imaparal Aldepol special styrene acrylics are aqueous dispersions based on acrylic and styrene, silan modified, free of APEO.
Styrene acrylics	Aldepol Styrene Acrylics	IMPARAT	Aqueous dispersions of vinylacetate and acrylates or versatic acid vinyl ester.
Vinyl acetate copolymers	Aldepol Vinyl Acetate Copolymers	IMPARAT	Aqueous dispersions of vinylacetate and acrylates or versatic acid vinyl ester.

FILLERS

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Kaolin	KaMin®	KaMin	Kaolin clays are aluminum silicates available in treated and untreated form. Kaolin can be found in various applications with different functionality like extender for TiO ₂ in flat/semi gloss and high gloss paints, for improved scrub resistance and opacity. Also used in inks for its anti-bleeding properties and better resolution.
	Lithospense®	KaMin	Lithospense® 7005 CS is a high performance treated kaolin designed to improve rheology. Lithospense® NextGen is a surface enhanced clay designed to replace ink resin and ink oil.
	Polygloss® 90	KaMin	Ultra fine, highly pulverized, premium brightness kaolin for extending high gloss solvent and water-based coatings.
Lightweight fillers	Expancel®	Nouryon	Expancel® expandable microspheres are small spheres encapsulating a gas. When heated, they will dramatically increase in volume. Expancel® is available unexpanded and expanded both wet and dry. It can be used as a blowing agent, weight reducer and property improver in many different applications. The expansion capacity and low density along with a closed cell structure and excellent compressibility give benefits to numerous other products.
	Poraver®	Dennert Poraver	Used for many applications thanks to its unique combination of beneficial properties: low density and high pressure-resistance, health-friendly material, odour-neutral and no VOCs, excellent thermal insulating properties, excellent sound absorption properties, insensitive to heat and cold and creamy white color.
	Poraver® X	Dennert Poraver	A special combination of high-quality raw materials ensures that Poraver® X achieves its closed surface, resulting in reduced water and binder absorption and higher compressive strength while having all other unique properties.

SOLVENTS

Ester alcohol	Eastman Texanol™	Eastman Chemical	Retarder solvent for coil coatings, curing enamels and printing inks.
Esters	Eastman™ n-Butyl Propionate	Eastman Chemical	Slow evaporating, urethane grade solvent with good solvency for most coating resins. Eastman™ NBP also enhances performance of paint stripping formulations and shows very good synergistic effects with other active solvent like DMSO.
Ether ester	Eastman™ EEP	Eastman Chemical	Slow-evaporating ether ester with moderate odor, low surface tension, high electrical resistance and good resistance to solvent popping in baking applications.
Glycol ether	Eastman™ EEH	Eastman Chemical	Eastman™ EEH offers an excellent balance of performance properties (coalescence, fat release, low surface tension, etc.) in architectural and industrial maintenance coatings.
	Eastman™ EP	Eastman Chemical	Colorless, water-miscible solvent providing a slow evaporation rate and good viscosity control in waterborne systems.
Ketones	Eastman™ MAK Eastman™ MIAK	Eastman Chemical	Solvents with high solvent activity, slow evaporation rate, low density, low surface tension and a high boiling point. These properties make MIAK a very good solvent for high solids and low VOC coatings.
	Eastman™ MPK	Eastman Chemical	Active solvent for most synthetic resins including acrylics, polyesters, cellulose, epoxies, vinyls and alkyds.

FLAME RETARDANTS

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Phosphates	Santicizer®	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications.

PLASTICIZERS

Benzoates	Jayflex™ MB 10	ExxonMobil Chemical	Phthalate-free, benzoate-based plasticizers for PU, CN and acrylic-based coatings as well as for printing inks.
Benzyl phthalates	Santicizer®	Valtris Specialty Chemicals	Phthalate based plasticizers, combining the following properties: Low volatility, excellent extraction.
Fast fusers – benzyl-phthalates / carboxylates	Santicizer PLATINUM® P-1400	Valtris Specialty Chemicals	Phthalate free and fast fusing plasticizers which shows a high compatibility and efficiency, and performs by high permanence and low water solubility. Recommended for many applications, like plastisol, foam, sealant, calendering, extrusion and films.
Phosphates	Santicizer®	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications.
Phosphate ester	Santicizer®	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems.
Phthalates	Chemflexx 911P	The Chemical Company	Low volatile linear C-9 and C-11 alcohol based phthalate plasticizer. Due to its outstanding weather resistant properties and general good permanence especially suitable for outdoor and durable applications.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular special plasticizer on phthalate basis, compatible with various polymers. Due to its excellent fogging and migration values it is suitable for car interior parts and for high temperature range.
	Jayflex™ DTD	ExxonMobil Chemical	High molecular special plasticizer, compatible with various polymers. Due to its high molecular weight and the especially low volatility, it is recommended for use in high temperature applications.
Polymeric adipates	Santicizer®	Valtris Specialty Chemicals	Polymeric adipates which provide outstanding migration and extraction resistance.
	CRANE™ Plast	KRAHN Chemie	

INTERMEDIATES

Adipic dihydrazide	ADH	Otsuka Chemical	Cross-linking agents for acrylic dispersions and chain extenders in polyurethane dispersions and epoxies.
Anhydrides	HHPA	Dixie Chemical Company	Hexahydrophthalic anhydride
Diols	EH Diol	Gulf Chemical International	2-Ethyl-1,3-hexandiol

PIGMENTS

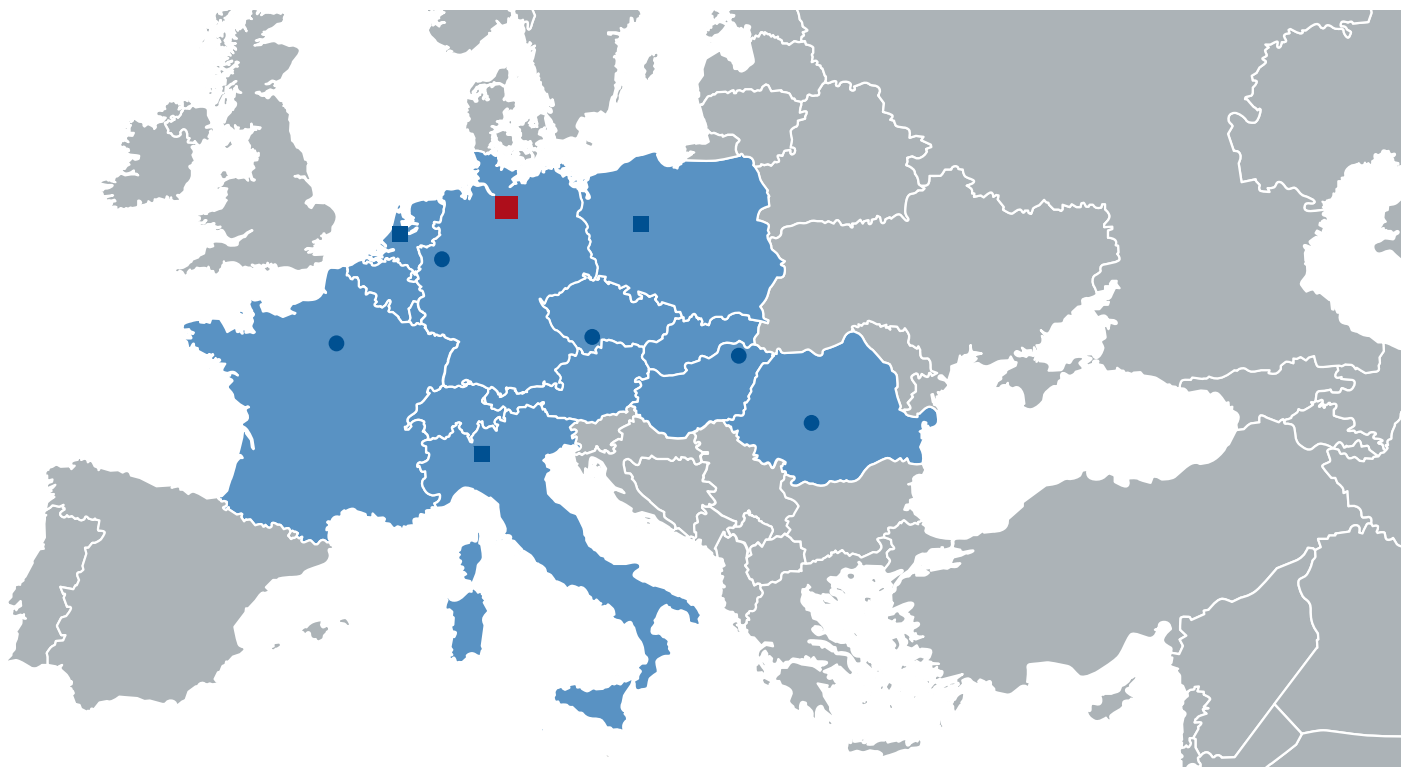
PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Artist Colour Pigments	Artist Colour Pigments	Venator	A complete palette of traditional artist pigments based on cadmium, cobalt and iron compounds which are universally compatible in oil and water-based media and can be used at different loading rates to impart transparent, translucent or opaque coloration with excellent color brilliance and permanence.
Cadmium pigments	Cadmium Pigments	Venator	Pigments that have unique properties and near-universal compatibility with plastics, coatings, artist colors, ceramics and glass.
Complex inorganic pigments	Colourplex	Venator	Universally compatible pigments recommended for high performance applications where weather resistance, thermal and chemical stability are critical parameters.
Iron oxides	Ferroxide	Venator	Synthetic red, yellow, orange, brown and black iron oxides are non-toxic and made from 60% post-industrial recycled content processed in both micronized and regular grades.
Liquid pigment pastes	Chroma-Chem®	Chromaflo Technologies	Solvent-based and waterborne colorants for tinting high performance industrial coatings. High weathering, chemical and heat resistance.
	Colortrend®	Chromaflo Technologies	VOC free colorants for architectural (interior and exterior) systems.
	Coltec™	Chromaflo Technologies	Universal colorants specially designed to meet and exceed the technical requirements demanded by various decorative architectural applications. They are formulated to satisfy the needs of both water- and solvent-based interior and exterior paint products.
	Disperfin® / Addiplast®	Venator	High-quality liquid preparations of red and yellow transparent iron oxide.
	Hydrasperse™	Chromaflo Technologies	Water-based colorants with high color strength for in-plant tinting of all kind of coatings systems.
	Maestro™	Chromaflo Technologies	Water-based colorants specially designed to tint leather finishes (top quality) in rapidly changing industry, including automotive and upholstery. VOC- APE- and lead free.
	Monicolor™	Chromaflo Technologies	Universal colorants specially designed to meet and exceed the technical requirements demanded by various decorative architectural applications. They are formulated to satisfy the needs of both water- and solvent-based interior and exterior paint products.
	Novapint™	Chromaflo Technologies	High performance, water-based colorants for exterior paints and plasters based on acrylic, silicate, silicone or synthetic resins.
	Timbasol Wood Colourant	Venator	Wood colorants are liquid color dispersions for wood coatings available in a wide range of 'stir-in' solvent and water-based formulations.
	Tintersol TT	Venator	Highly pigmented pigment dispersions retaining excellent flow properties and settlement resistance.
Mixed metal oxide	Solaplex	Venator	These pigments can be dispersed into a wide range of paints and polymers to achieve new colour shades which are able to withstand the harsh exterior environments and processing conditions demanded of high performance applications.

PIGMENTS CONTINUED

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Natural Pigments	Natural Pigments	Venator	Micronized grades suitable for coatings and colorants.
Organic pigments	TrustChem	TrustChem	Full range of organic pigments from classic to high performance materials for use in Automotive Coatings, Decorative Coatings, Industrial Coatings, Coil Coatings, Powder Coatings, Plastics and Master Batches, Inks and Specialty applications.
Pearlescent pigments	Chameleon	Fuzhou Kuncai Fine Chemicals	Optically variable effect pigments, depending on viewing angles, used in a variety of applications such as printing inks, industrial coatings, automotive and decorative paints and cosmetics.
	Crystal	Fuzhou Kuncai Fine Chemicals	Effect pigments used in a variety of applications such as printing inks, industrial coatings, automotive and decorative paints, cosmetics, textiles, and plastics, based on synthetic mica. Grades with excellent weathering resistance available.
	Diamond	Fuzhou Kuncai Fine Chemicals	Effect pigments used in a variety of applications such as printing inks, industrial coatings, automotive and decorative paints, cosmetics, textiles, and plastics, based on glass flakes. Grades with excellent weathering resistance available.
	Kuncai	Fuzhou Kuncai Fine Chemicals	Effect pigments used in a variety of applications such as printing inks, industrial coatings, automotive and decorative paints, cosmetics, textiles, and plastics, based on natural mica. Grades with excellent weathering resistance available.
	Plovence	Fuzhou Kuncai Fine Chemicals	Pearlescent pigments based on synthetic mica displaying three-dimensional vision, super flash and bright chroma.
	Setallic	Fuzhou Kuncai Fine Chemicals	Pearlescent pigments based on synthetic mica exhibiting magnificent, glistening orange and red colors along with unmatched dimensional visual effects.
	SkyaKarp	Fuzhou Kuncai Fine Chemicals	Pearlescent pigments based on natural mica displaying three-dimensional vision, super flash and bright chroma for high-end coatings and decorative paints.
	XillaMaya	Fuzhou Kuncai Fine Chemicals	Pearlescent pigment based on flaky aluminum silicate substrate with extraordinary color saturation and excellent hiding performance for high-end automotive and industrial coatings.
Titanium dioxide	Ruichem	Ruichem	Anatase and Rutile TiO_2 pigment, with organic and/or inorganic treatment for water-based and solvent-based paints and coatings as well as for powder coatings. These pigments have very good opacity, color strength and dispersing properties as well as excellent light and weather resistance.
Transparent iron oxide pigments	Trans Oxide	Huntsman	Pigments with needle-shaped particles that are completely transparent. They impart high color tint strength, weather resistance and UV-barrier properties.

TEST EQUIPMENT AND GRINDING MEDIA

Ceramic grinding medias	YTZ®	Tosoh / Nikkato	High wear-resistant yttria-stabilized zirconia grinding balls (size: 0.1 mm - 25 mm) and cylinders (size: 1/2" and 3/8").
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www.krahn.eu

KRAHN Chemie Benelux BV
Westzijde 138
1506 EK Zaandam
The Netherlands
Phone +31 75 6351788
info.nl@krahn.eu

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