



Product Range

Coatings & Construction

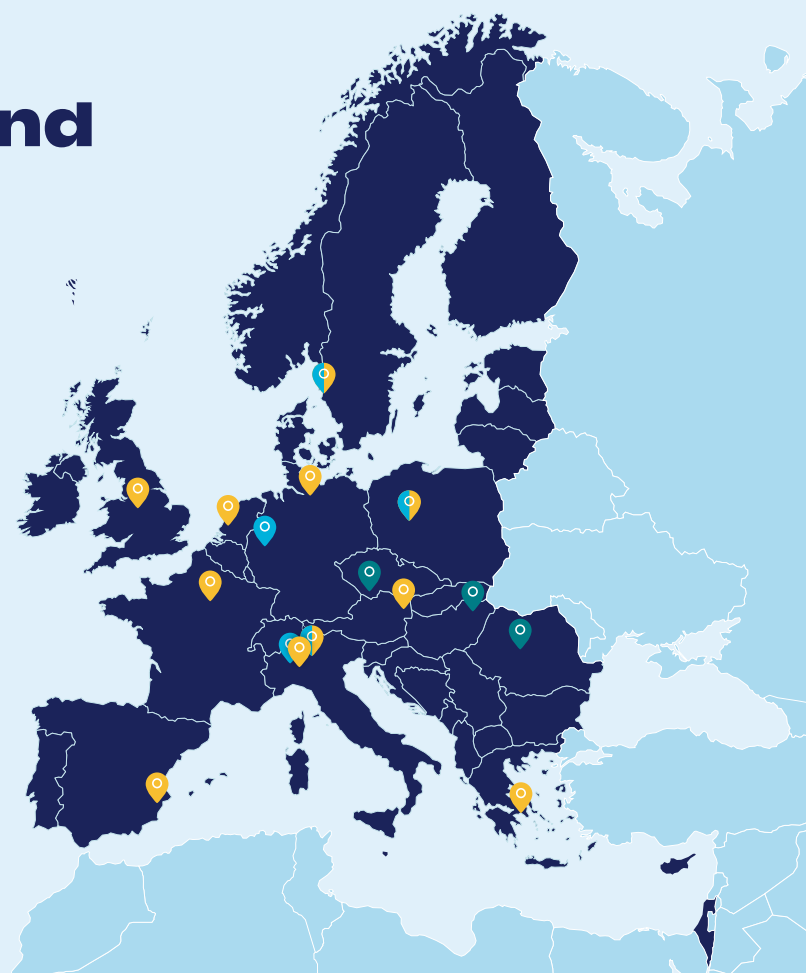
KRAHN

Your high-performance partner for specialty chemicals.

We are a leading independent chemical business providing sales, marketing and distribution services and are recognized world-wide for our technical expertise and high-quality product portfolio as well as in-house laboratory support. Everything we do is with passion and commitment and always with an eye on the best possible outcome.

Our locations

Thinking global and acting local



KRAHN Subsidiaries

- Hamburg
- Zaandam
- Milan and Berbenno
- Poznań
- Avon
- Athens
- Gothenburg
- Sandbach
- Aspe
- Vienna

Sales offices

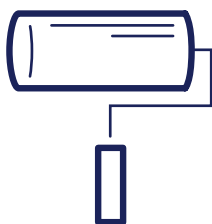
- České Budějovice
- Tiszaújváros
- Sibiu

Laboratories

- Bottrop
- Poznań
- Gothenburg
- Lainate and Berbenno

Warehouses

Many warehouses across Europe, also with possibilities for bulk breaking



Coatings



Additives

Product Group	Product Name	Producer	Product Description
Matting Agent, Haptic, Texture	Spheromers® CA	Lamberti	Spheromers® are acrylic beads with an extremely narrow particle size distribution available in different particle sizes. They are used as matting agents in segments where semi-gloss, highly transparent, smooth coating surface combined with high scratch and chemical resistance are requested. Due to their narrow spherical particle size distribution, Spheromers® ensure homogeneous and reproducible properties when used as advanced light diffusing additives for LED lighting applications and light diffusion films. Spheromers® are also used as superior polymer anti-blocking agents.
	Decosphaera® PU	Lamberti	Decosphaera® are versatile additives used in a large number of applications ranging from coatings, plastics and adhesives to cosmetics to impart soft touch and texture. When used in coatings applications impart deep matt effects on surfaces without compromising colour acceptance or burnish, wet scrub, abrasion, or scratch resistance. Our waterborne polyurethane beads are highly crosslinked and highly elastic. Decosphaera® are insoluble in water and in most commonly used solvents and do not contain any solvent or VOC. Their spherical shape is not destroyed by stress during processing or use.
Photoinitiators	Chemacure Keycure	UV Chem-Keys	Additives that initiate polymer reaction in radiation curing systems (UV and LED). 3 classes of photoinitiators are available: free radical, polymeric and cationic photoinitiators. The choice of photoinitiator has a significant influence on drying speed, efficiency and final properties of the cured coating.
Rheology Modifiers	CRANE® CN CRANE® CA	KRAHN Chemie	Rheology modification is a very complicated process that can significantly improve the properties of the system. A tailored process should always put the purpose of the modification first based on this purpose and system properties such as polarization, an appropriate rheology additive can be selected from a range of such products. Rheology additives could be used for water retention and improvement of the open-time.

Binders

Product Group	Product Name	Producer	Product Description
Aliphatic Polyisocyanate	Crosslinker 08	Lamberti	Water dispersable aliphatic polyisocyanate. Can be used as crosslinking agent for acrylic emulsions and polyurethane dispersions.
Aliphatic Polyurethane	Esacote® PU	Lamberti	Solvent free anionic waterborne dispersion of an aliphatic polyurethane based on polyether diols. Binder for clear and pigmented coatings. Mechanical and water resistance, good balance of elasticity and hardness.
Matt Aliphatic Polyurethane	Esacote® PU	Lamberti	Matt, solvent free waterborne anionic dispersion of an aliphatic polyurethane based on polyether diols. Can be used as a main resin or a co-binder to obtain matt or satin topcoat free of any organic and inorganic matting agents. Esacote® gives the following properties depending on the material: matt and a ultra soft touch film, silky touch, tack free surface, high flexibility and rubbery.
BIO Aliphatic Polyurethane	Esacote® BIO	Lamberti	Esacote® BIO is made with raw materials from vegetal sources, obtained from plant derived substances. It is an anionic waterborne dispersion of an aliphatic polyurethane. Binder for clear and pigmented coatings. Mechanical and chemical resistance, good elasticity on flexible substrates.
Biobased Dispersions and Emulsions	INOKEM®	Ecoat	Aqueous alkyd resin dispersions based on renewable up to 98% raw materials for the formulation of low-VOC decorative, wood and metal coatings. Their adhesion to metal, chemical resistance and mechanical performance make them binders of choice for formulating anti-corrosion primers, direct-to-metal coatings and finishes.
	SECOIA®	Ecoat	WB anionic emulsions of a biologically derived alkyd resin for the creation of environmental responsibility, low VOC, odorless paints and varnishes. Their renewable bio-sourced content is up to 98%. Our formula feature high chemical resistance, rapid hardness development, high adhesion and low yellowing over time. SECOIA® water-based interior wall paints offer typical properties broadly comparable to those of their conventional counterparts formulated with petro-sourced binders.
Blocked Polyisocyanates	Crosslinker BK9	Lamberti	Crosslinker BK9 / N is an aqueous dispersion of blocked polyisocyanates. Since the deblocking is effective over 100°C, it is a suitable crosslinking agent for water based one component systems.
Blocked Polyurethane in Aqueous Dispersions	Crosslinker BK13 Crosslinker BK18 Crosslinker BK 23	Lamberti	Crosslinker BK 13, 18 and 23 are MEKO and DMP free blocked polyurethane in aqueous dispersions. Used as crosslinking agent for acrylic emulsions and polyurethane dispersions. Unblocking temperature is approximately 130 – 140°C.
Clear Liquid Epoxy Organosilane	Crosslinker PU	Lamberti	Clear liquid epoxy organosilane. Crosslinker PU is an adhesion promoter additive for varnishes and paints. It is used as post addition, suggested dosage is from 0,5% to 3% on weight, depending on varnish / paint solid content.

Binders

Product Group	Product Name	Producer	Product Description
Epoxy Hardeners	ECA 100 NC	Dixie Chemical Company	Mix of HHPA/MHHPA/MTHPA Hardener for epoxy systems with very good physical and electrical properties .
	HHPA	Dixie Chemical Company	HHPA are fully saturated anhydrides that offer superior UV resistance without the need for additional additives. HHPA can be used as monomers to build other polymer systems or can be used to cure cycloaliphatic epoxys for fully UV resistance composites and coatings.
Polycarbodiimide	Crosslinker 21	Lamberti	Water based polycarbodiimide crosslinking agent for acrylic emulsions and polyurethane dispersions containing acid groups on the polymer.
Polyfunctional Aziridine	Catalyst AT5/N	Lamberti	Catalyst AT5/N is a high molecular weight polyaziridine crosslinker that can be used as crosslinking agent for acrylic emulsions and polyurethane dispersions.
Polyurethane Modified Alkyd Dispersions	INOKEM® UR	Ecoat	PU-modified, aqueous alkyd resin dispersions based on renewable raw materials for the formulation of low VOC decorative, wood and metal coatings.
Saturated Polyester Resins	Vitel	Bostik	High performance linear polyester for multiple applications offering a good balance of properties from low temperature flexibility to high temperature resistance. Application for can & coil, baking coating, general industry coatings.
Pure Acrylic Ester Dispersions	Xynpol PA	Xyntra	High end performance core-shell, ambient temperature crosslinking binders. Core-shell technology allows a harder film build at lower coalescent demands. Fine particle size allows yet lower coalescent and glossy films. Can be used for wood stains and exterior coatings with good flexibility and crack bridging performance.
Veova Acrylic Copolymers	Xynpol AO	Xyntra	High performance hydrophobic, UV resistant Veocryl dispersions. For wood, metal, DTM and multi surface applications. Fine particle size. Veova 10 is better known as a co-monomer in vinyl acetate systems in which Veova 10 is incorporated mainly to improve water and alkali resistance.
Vinyl Acetate Copolymers	Xynpol VO	Xyntra	Excellent base for interior /exterior decorative matt and silk paints, and plasters. Good scrub resistance and low blocking, good adhesion to metal, excellent alkali resistance. For adhesives application high binding power suitable for general purpose wood sealant and caulk formulations.

Pigments and Pigment Preparations

Product Group	Product Name	Producer	Product Description
Aluminium Pastes	Alpate	Toyal Europe	Leafing and non-leafing aluminum pastes with different shapes (cornflake, silver dollar, high-tech) and particle sizes for a wide range of solvent based coating systems (automotive, consumer & household electronics, industrial, can & coil) and printing inks.
	Alpate BP Alpate FZ	Toyal Europe	Polymer-coated aluminum pigments with very high chemical resistance.
	Alpate EMR Alpate WXT	Toyal Europe	Non-leafing aluminum pastes with different passivations (silica, phosphoric acid) for water based paint systems.
	Alpate PCx	Toyal Europe	Non-leafing aluminum pastes with different passivations (silica, phosphoric acid) for water based paint systems.
	Alpate TD Alpate TDE Alpate TSB	Toyal Europe	Pigments for printing ink applications with high opacity and excellent brilliance.
	Chromashine	Toyal Europe	Aluminium pigments in powder form with interference colours for solvent based and water based paints.
	Friendcolor	Toyal Europe	Organically pigmented aluminum flakes (silver dollar) with silicate coating for maximum durability.
	Toyalshine	Toyal Europe	PVD-pigments to achieve chrome effects.

Pigments and Pigment Preparations

Product Group	Product Name	Producer	Product Description
Pigment Preparations	USF	Coloris	Universal VOC free colorants for architectural tinting systems and decorative paints. Compatible with all water based and solvent based paints. USF colorants keep the paint properties: viscosity, hydrophobicity, gloss and drying time.
	DWA	Coloris	Water based VOC free pigment dispersions for in-plant coloration. Compatible with all water based facade paints and interior paints. High pigment concentration.
	CDB	Coloris	VOC free water based colorants for architectural tinting systems. Compatible with all water based facade paints and interior paints. High pigment concentration. CDB colorants keep the paint properties: viscosity and gloss.
	USF TSR	Coloris	Infrared reflective VOC free universal colorants. Dark shades with lower temperature under sunlight. Compatible with all water based facade paints. Ultra resistant inorganic pigment.
	CWI	Coloris	Water based colorants for industrial tinting systems. Compatible with all industrial water based paints. Used to color polyurethanes hydro, epoxys hydro, acrylics. CWI colorants keep the paint properties: gloss, adhesion, pot life.
	CGB	Coloris	Solvent based colorants for in-plant coloration. Compatible with solvent based alkyds and acrylics. CGB colorants keep the paint properties: drying, gloss and viscosity.
	CUB	Coloris	Universal colorants for architectural tinting systems and decorative paints. Adapted to extreme conditions of use: cold, hot, ageing, minimal maintenance. Compatible with all water based and solvent based paints.
	CIU	Coloris	Solvent based colorant for industrial tinting systems. Compatible with all industrial solvent based paints. Used to color polyurethanes, epoxys, acrylics, alkyds, nitro-celluloses. CIU colorants keep the paint properties: gloss, adhesion, pot life.
	MeToo+	Coloris	Colorants for POS and in-plant tinting systems.
	OFT	Coloris	Transparent iron oxide colorants for wood stains and varnishes. Protect the wood from UV light. Excellent transparency. Available in 4 technologies: hydro, solvent, universal, industrial.
	CHM	Coloris	Liquid colorants for high solid industrial coatings. Compatible with many industrial coatings. Used to color 2K polyurethanes, epoxys, unsaturated polyesters, PMMA.
	CMP	Coloris	Pigment dispersions in a plasticizer. Used to color plastisols, liquid masterbatches, putties. High pigment concentration for a low viscosity. Excellent heat stability and weather resistance.

Intermediates

Product Group	Product Name	Producer	Product Description
Acids	Neo-Acids	ExxonMobil Chemical	Precursors to increase the thermal and hydrolytic stability of subsequent products.
Anhydrides	HHPA	Dixie Chemical Company	HHPA are fully saturated anhydrides that offer superior UV resistance without the need for additional additives. HHPA can be used as monomers to build other polymer systems or can be used to cure cycloaliphatic epoxys for fully UV resistance composites and coatings.
Diol	EH Diol	Gulf Chemical International	2-Ethylhexane-1,3-diol is used in organic synthesis and can be used to produce polyester resin, polyester plasticizers, polyurethane resin.
Monomers	DAISO DAP®	Osaka Soda	Diallyl phthalate monomer, crosslinking agent for unsaturated polyesters and insulating paints as a replacement for styrene monomers.
Oxo Alcohols	Exxal™	ExxonMobil Chemical	The Exxal™ alcohols are branched, primary alcohols that contain both even-and odd-numbered hydrocarbon chains, ranging from C8 to C13.

Test Equipment and Grinding Media

Product Group	Product Name	Producer	Product Description
Ceramic Grinding Medias	YTZ®	Tosoh / Nikkato	Highly abrasion-resistant grinding balls (diameter 0.1 mm – 25 mm) and grinding cylinders (size: 1/2" and 3/8") made of yttria stabilized zirconia.
Paint Test Charts	Leneta	The Leneta Company	Test cards and substrates made of paper, steel, aluminum, wood, glass and plastic for determining opacity, yield, abrasion resistance, as well as for color and gloss measurement.

Esters and Coalescent Agents

Product Group	Product Name	Producer	Product Description
Adipates	DOA	Plastifay	Ester based on C8 alcohol to improve flexibility at low temperatures, also has a viscosity-reducing effect with good solid dispersing properties, can be used in food contact applications. It can also serve as a film-forming agent or coalescing solvent in coatings, paints, and varnishes. It helps improve the film formation, adhesion, and durability of the coating material on substrates such as metal, wood, and plastics.
	Cereplas DOA	Valtris Enterprises	An ester based on C8 alcohol enhances flexibility at low temperatures, also reducing viscosity and offering good dispersing properties for solids. It is suitable for use in food contact applications. Additionally, it can function as a film-forming agent or coalescing solvent in coatings, paints, and varnishes. It helps improve film formation, adhesion, and the durability of the coating material on substrates such as metal, wood, and plastics.
	Cereplas DIDA	Valtris Enterprises	Ester based on C10 alcohol designed for use in plastisols for spread coating where certain low and stable viscosity properties are required. The low volatility and low temperature performance makes it ideally suited for protective clothing, tarpaulin and sheet applications.
Benzoates	Jayflex™ MB 10	ExxonMobil Chemical	Phthalate-free benzoate-based ester. It is a very good alternative to conventional coalescents and solvents for formulating paints with very low VOC content without sacrificing surface appearance and durability. Used for waterborne coatings applications and architectural coatings.
Benzylphthalates	Santicizer®	Valtris Specialty Chemicals	Phthalate-based ester with good extraction resistance, low volatility and compatibility with various polymers.
Fast Fusing Plasticizers	Santicizer PLATINUM® P-1400	Valtris Specialty Chemicals	Phthalate-free ester, fast gelling, with high compatibility and efficiency with high permanence and low water solubility.
Hexanoate	OXSOFT® 3G8	OQ Chemicals	Phthalate-free ester acts as coalescing agent for coatings and inks. It offers superior low-temperature performance and high resilience. It exhibits good migration resistance. It is used for polyvinyl butyral (PVB) resins which provide exceptional long term color stability and clarity. OXSOFT® 3G8 is used in applications where non-VOC is required.
Phthalates	Chemflexx 911P	The Chemical Company	Low-volatility phthalate ester based on linear C9 and C11 alcohols with comparable low viscosity. Particularly suitable for outdoor applications due to its excellent weather resistance and generally good permanence.
	Jayflex™ DIDP Jayflex™ DINP	ExxonMobil Chemical	High molecular weight standard ester for plasticizing nitrocellulose for wood varnishes, printing inks and floor coatings. It aids in the dispersion of pigments and additives, ensuring smooth ink flow and excellent print quality. Offers the best price performance ratio.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular weight special ester based on phthalate, compatible with various polymers, good fogging and migration profile. Very suitable for applications in automotive interiors and in high temperature areas.
	Jayflex™ DTDp	ExxonMobil Chemical	High molecular weight special ester, compatible with various polymers. Recommended for high temperature applications due to its high molecular weight and particularly low volatility.

Esters and Coalescent Agent

Product Group	Product Name	Producer	Product Description
Polyadipates	Santicizer®	Valtris Specialty Chemicals	Polymer adipates with excellent migration and extraction resistance.
	CRANE® Plast	KRAHN Chemie	Polymer adipates with outstanding resistance to migration and extraction.
Terephthalates	Plast Soft DOTP	Plastifay	Standard ester, compatible with various polymers, approved for use in food contact articles and in the toy industry.
	Cereplas 100XS	Valtris Enterprises	A standard ester, compatible with a range of polymers, and approved for use in food contact materials and the toy industry.
Trimellitates	Cereplas OTM	Valtris Enterprises	Highly permanent ester compatible with various polymers, with very low volatility, excellent extraction resistance against basic media, low fogging values and good processability. High temperature performance, e.g. for road markings.
	Cereplas L810TM	Valtris Enterprises	Low volatile linear C8-C10 alcohol based specialty ester. Due to its outstanding high temperature resistance, low emission profile and general good cold flexibility performance especially suitable for durable and demanding applications. Low fogging values and good UV resistance. Compared to branched C9 trimellitate low viscosity.
	Jayflex L9TM	ExxonMobil Chemical	Special ester based on linear C9 alcohols with low volatility offers excellent resistance to high temperatures, excellent flexibility at low temperatures, performs better than branched trimellitates, has excellent extraction/migration resistance, low migration, excellent fogging properties and low viscosity which improves processability compared to branched C9 trimellitates.

Flame Retardants

Product Group	Product Name	Producer	Product Description
Phosphates	Santicizer®	Valtris Specialty Chemicals	Special ester with good flame retardant and smoke suppressant properties. These phosphate esters are halogen-free with high plasticizer efficiency and high compatibility in many polymer systems.



Construction



Additives

Product Group	Product Name	Producer	Product Description
Accelerator	CRANE® Accelerator	KRAHN Chemie	Accelerator for cement and CSA-bonded systems. Can be used as a replacement for lithium carbonate in OPC/HAC (Portland/High-Aluminate Cement) and many OPC/CSA (Portland/Calcium Sulpho Aluminate) binder systems.
Modified CSA Cements	CRANE® Expand	KRAHN Chemie	Modified calcium sulpho aluminate cements to improve the shrinkage tendency in floor leveling compounds, flowing screeds and special mortars.
Multifunctional Additives	CRANE® Compound	KRAHN Chemie	Mixture of various additives to improve the properties of fresh mortar, such as flow behavior, compactability and processing. In the hardened mortar properties, the surface structure is improved, shrinkage is reduced and strength is increased. The readiness for laying can be significantly reduced.
Rheology Modifiers	Zencellose	Zen Global Solutions	High-performance cellulose ethers (HEC, MHPC) for various construction applications (mortar, plaster, tile adhesives and joint compounds as well as self-leveling floor leveling compounds) to improve processing, adhesion and water retention. Zencellose promotes the setting of various gypsum, cement or lime-based products.

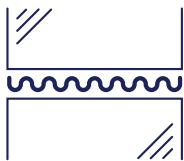
Binders

Product Group	Product Name	Producer	Product Description
CSA Cements	CRANE® CSA	KRAHN Chemie	Calcium sulpho aluminate cements for the production of special mortar systems to achieve, among other things, high early and final strength. Can contribute to improving the CO ₂ balance.

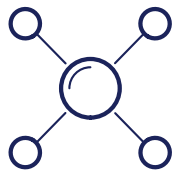
Fillers

Product Group	Product Name	Producer	Product Description
Lightweight Fillers	AEROPOR	AEROPOR	Purely mineral, largely closed-pored lightweight aggregate. In an innovative thermal manufacturing process, hydrated obsidian (volcanic rock) are gently and precisely expanded. Low water absorption, pressure and shear force stable, temperature resistant up to 950°C, chemical resistant, free flowing.
Metakaolin	CRANE® Meta	KRAHN Chemie	Pozzolanically active additives for cement-based building materials. The products are therefore suitable for the (partial) substitution of Portland cement and thus help to reduce CO ₂ emissions. Serves to significantly improve the plasticity in mortar and concrete.
	CRANE® Spheres	KRAHN Chemie	Highly reactive concrete additive. The use of the product results in many advantages in fresh concrete, such as improved workability, increased slump, delayed setting time, reduced porosity, embedding of aggregates. In addition, we obtain an increase in compressive and flexion strength in hardened concrete, as well as a remarkable improvement in the concrete structure and the concrete's resistance to chloride, sulfate and acid attack.

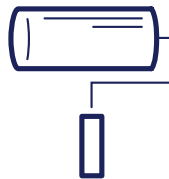
Industries



**Adhesives &
Sealants**



**Chemical
Intermediates**



Coatings



Construction



**Heat Transfer
Fluids**



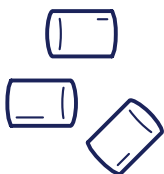
**Industrial Cleaning &
Home Care**



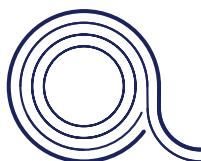
**Lubricants &
Fuels**



**Personal
Care**



Plastics



Rubber

Produkt Disclaimer

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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.

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**Bring it
together!**



KRAHN Chemie brings
together all the elements
designed to create strong
added value: markets with
innovations, processors with
producers and questions
with answers.

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