

# Paints & Coating Additives

## PROFILE

We supply a full range of additives for coatings, adhesives, paints and printing inks. Our product range includes rheology additives, wetting/dispersing agents, silicone additives, deaeration/antifoaming agents, stabilizers, catalysts/accelerators, anti-skinning agents/antioxidants, specialties and driers, etc. The products increase processing options, improve free-flowing properties, consistency and gloss control, surface appearance and drying. Our additive tool box allows the formulator to tailor make systems to improve properties such as durability and meet the challenges of ever increasing environmental regulations. We always want to share the advanced technical know-how with our customers in close cooperation with specialists.

Product Group	Product Name	Application medium *)	Product description
Rheological Modifiers	Borchi Gel 0620	W	Associative thickener with strong pseudoplastic behaviour; 40% PU in water/BG; APEO-free, surfactant-free and tin-free; very effective in low shear range; minimizing sagging and settling; best fitting rheology for spray application; in combination with newtonian thickeners suitable for roll and brush application as well
	Borchi Gel 0621	W	Associative thickener with strong pseudoplastic behaviour; 20% PU; 30% solids; APEO-free, HAP's-free, VOC-free and tin-free; very effective in low shear range; minimizing sagging and settling; best fitting rheology for spray application; in combination with newtonian thickeners suitable for roll and brush application as well
	Borchi Gel PW 25	W	Pseudoplastic PU thickener; 25% PU in water/propylene glycol; emulsifier-free and DBTL-free; especially effective in the low shear range
	Borchi Gel LW 44	W	Pseudoplastic PU thickener; 24% PU; 46% solids; especially effective in the low shear range; promotes pigment wetting; DBTL-free and VOC-free
	Borchi Gel 0625	W	Pseudoplastic PU thickener with well balanced efficiency in medium and high shear range; 25% PU; 34% solids; APEO-free, HAP's-free, VOC-free and tin-free; for universal application
	Borchi Gel L75 N	W	Pseudoplastic PU thickener with well balanced effectivity even in medium and high shear range; 25% PU; 50% solids; for universal application; pro- motes pigment wetting and pigment stabilization, DBTL-free and VOC- free
	Borchi Gel L76	W	Pseudoplastic PU thickener for cost-effective formulations with good effectivity in low and medium shear range as well; VOC-free and DBTL- free; 25% PU; 50% solids
	Borchi Gel 0626	W	Pseudoplastic PU thickener with good efficiency in high shear range; 25% PU; 37% solids; APEO-free, HAP's-free, VOC-free and tin-free; for universal applications
	Borchi Gel Thx 921	W	Shear thinning HEUR thickener introducing thixotropic behaviour in many binder systems; high efficiency in low shear range; preventing sagging and settling; optimal flow behaviour for spray application; in combination with a newtonian thickener suitable for brush/roll application as well; APEO-free, HAP's-free and tin-free
	Borchi Gel 0434	W	Newtonian associative thickener; polyurethane-based; 20% PU; especially suitable for the high shear range; solvent-free; HAP's-free, VOC-free, surfactant-free and tin-free
	Borchi Gel 0435	W	Associative thickener; polyurethane-based; 30% PU; 50% solids; APEO-free, HAP's-free and tin-free; strong efficiency in the high shear range; multi purpose thickening agent improving flow of all waterborne decorative and industrial coatings (glossy or flat; with or without pigments)
	LUCRACHEM VIS 1		PU based associative rheology modifier. Suitable for waterbased coatings and paints without negative impact on water resistance, gloss and color appearance of the system. VOC free. Middle shear thickener with low impact on low shear viscosity. Good color acceptance in pigmented systems. Combinable with other common thickener types.
	LUCRACHEM VIS 2		PU based associative rheology modifier.(PU preparation in water and isobutanol) Suitable for waterbased coatings and paints without negative impact on water resistance, gloss and color appearance of the system. Improves viscosity particularly in middle shear range. Combinable with other common thickener types.
	Borchi Gel A LA	W	Anionic acrylate polymer; thickens at pH > 8; 10% in water
	Borchi Gel PN / Borchi® gel NA	W	Shear thinning thickener; introducing thixotropic behavior; very effective in low shear range, preventing sagging and settling; in combination with a newtonian HEUR-thickener (e.g. Borchi® Gel 0434, Borchi® Gel 0435) suitable as well for brush/roll application; solvent-free, surfactant-free; HAP's-free, VOC-free and tin-free Borchi® Gel NA: organic Zirconium complex; neutralized with sodium hydroxide; low odor Borchi® Gel PN: organic Zirconium complex; neutralized with ammonia
	Borchi Gel D 8	S	Aluminum soap based on synthetic monocarboxylic acids; powder
	Borchi Gel thixo 2	S	Hydrogenated castor oil; powder
Borchi Set 134	S	Organo clay; 25% in modified alkyd resin and solvent mixture	
	Borchi Gen 1253	W	Acrylic polymer with carboxylate groups; 40% in water; anionic; especially suitable for wood coatings, decorative coatings, industrial coatings and pigment concentrates with organic and inorganic pigments
	Borchi Gen WNS	W	Aryl polyglycol preparation; 90% in water; non-ionic; especially suitable for organic pigments and aqueous printing inks
	Borchi Gen SN 95	W	Polyurethane oligomer; non-ionic; 25% in water; for high quality coatings with carbon black and organic pigments
	Borchi Gen 0851	W	Modified polyurethane; 50% in water; non-ionic; for high quality industrial and automotive coatings; pigment concentrates with carbon blacks or organic pigments; especially for perylene pigments
	Borchi Gen 1350	W	Modified polyurethane; 40% in water; anionic; for dispersing and stabilizing transparent iron oxides in waterbased lacquers and pigment concentrates
	Borchi Gen 1252	W / S	Acrylic polymer with acid groups; 100%; non-ionic; especially suitable for wood coatings, decorative coatings, industrial coatings and pigment concentrates with organic and inorganic pigments
	Borchi Gen AP	W / S	Phosphonic acid ester polycondensate; 100%; anionic; for inorganic pigments, fillers and metallic pigments
	Borchi Gen DFN	W / S	Modified polyglycol ether; 100%; non-ionic; suitable for organic pigment paste based on water and glycol
	Borchi Gen 12	W / S	Fatty acid polyethylene glycol ether ester; 100%; non-ionic; for dispersing of inorganic pigments in waterborne and solventborne coatings and pastes
	Borchi Gen ND plus	W / S	Phosphate/amine compound; 100%; anionic; for dispersing of inorganic pigments in waterborne and solventborne coatings and pastes
	Borchi Gen 0650	W / S	Amine neutralized phosphoric acid ester; 100%; anionic; for universal, waterborne or resin containing pastes particularly with inorganic pigments

Wetting and Dispersing Additives

Borchi Gen 0451	W / S	Modified polyurethane for universal use; 100%; non-ionic; for high quality automotive; industrial and UV coatings; pigment concentrates
Borchi Gen 0755	W / S	Modified polyurethane; 100%; non-ionic; for universal pigment pastes for solventborne coatings and printing inks
Borchi Gen 1451	S	Modified PU; 30% active EGDA; non-ionic; excellent for dispersing organic pigments as well as carbon blacks in high performance automotive and industrial coatings
Borchi Gen 1452	S	Modified PU; 45% active EGDA; non-ionic; excellent for dispersing organic pigments as well as carbon blacks for pigment concentrates
Borchi Gen 1459	S	Solution of polycarboxylic acid and polymer and polysiloxane copolymer; 50% in xylene; non-ionic; for medium to high polarity solvent based coatings to control flocculation of TiO2 with other pigment types
Borchi Gen 1251	S	Modified polyurethane; 85% in MPA; non-ionic; for high quality automotive and industrial coatings as well as pigment concentrates
Borchi Gen 1051	S	Modified polyurethane; 45% in BAC/MPA; for high quality industrial coatings; pigment concentrates with organic pigments; especially for phthalocyanin blue and green
Borchi Gen 911	S	Modified polyester; 70% in white spirit; non-ionic, especially for coatings and printing inks based on alkyd resin
Bayoxide Z active	W / S	Highly dispersed zinc oxide; 100%; barrier agent against e.g. wood ingredients or nicotine; UV absorber; powder
Borchi Gen TS	W/S	Mixture of carboxylic acid amides and ethoxylates; 30% in solvent mixture; for inorganic swelling agents and clay phyllosilicates
Borchi Gen PB 60	S	Mixture of amine salts of phosphoric acid esters and fatty acids; 50% in solvent mixture; for inorganic swelling agents and clay phyllosilicates
LUCRAMUL AP / LUCRAMUL NAP(W/S)		All-round products for inorganic pigments, suitable in water based and most solventbased systems. Reveal strong interaction with the polar surface of pigments and reduce the milling viscosity significantly. Due to the polar functionality LUCRAMUL AP and LUCRAMUL NAP are used mainly in combination with LUCRAMUL DA 130 to improve the compatibility of pigment concentrates. In some inorganic pigment preparations the products can also be used as co-wetting agents to control paste viscosity and to enable high loading. LUCRAMUL AP has a high acid value of around 80mg KOH/g. Neutralization with AMP, TEA or DEMA is recommended, when systems are sensitive to high acid value additives. LUCRAMUL NAP is the amine neutralized version of LUCRAMUL AP.
LUCRAMUL DA 130(W/S)		Suitable for different organic pigments, particularly in red and orange tone. It is also used for inorganic pigments. It shows excellent compatibility and is therefore a broadly recommended dispersant or co-dispersant in universal pigment concentrates. It can be used in waterbased formulations as well as in solvent based 2K PU, alkyd, polyacrylate coatings and solvent free UV-curing systems.
LUCRAMUL DA 140(W)		Nonionic dispersant and solubilizer based on natural raw materials. Especially recommended for waterbased formulations.
LUCRAMUL DA 216 series(S)		Anionic dispersing and wetting agent, aromatic polyethylene glycol ether phosphate. Especially recommended for solventborne and universal systems. The product is readily soluble in common organic solvents. In 1K and 2K polyurethane systems it improves the floating of pigments and their color strength, without having an influence on the material properties of the end product.
LUCRAMUL DA 229S(W)		Suitable for organic pigments, designed for waterbased preparations. In comparison to analogue non-ionic aryl polyether the product delivers a higher stability due to the anionic modification and improves the dilution ability of pigment concentrates.
LUCRAMUL DA 300(W/S)		Excellent wetting and dispersing agent for organic pigments and some carbon blacks. Due to its balanced structure it is a highly recommended additive for dispersants of blue, red, pink and green pigments for waterbased paints, lacquers and inks. It reveals excellent compatibility in waterbased formulations, but also in solvented NC-inks.
LUCRAMUL DA 345(W/S)		Aminefree high molecular wetting and dispersing agent for carbon blacks and organic pigments. Suitable for waterborne, solventborne and solventfree coatings. Due to the high molecular weight and broad compatibility it is predestined for resin free pigment concentrates.
LUCRAMUL DA 554(W)		Suitable for waterbased systems and widely used for organic and carbon black pigments, it has a strong stabilizing ability in dispersions.
LUCRAMUL PMS 16(W)		Suitable for organic pigments primary in waterbased systems. It can also be used in universal pigment dispersions.
LUCRAMUL U FLAKES(W)		Suitable for dispersions of organic and inorganic pigments in waterbased formulations. A special use is as dispersant for graphite in pencils improving the gliding property of pencil leads.
LUCRAMUL WNS(W/S)		LUCRAMUL WNS Conc. Is the undiluted delivery form of LUCRAMUL WNS. Generally both products are recommended for dispersion of organic pigments and carbon blacks in water containing pigment concentrates. They are widely compatible in resin systems and can also be used as post additives to improve color acceptance of tinted systems. Because of lack of water, LUCRAMUL WNS Conc. is preferred for solventbased systems.
Borchi Gol 1473	W / S	polyether-modified polysiloxane; 100%; universal flow and leveling agent; reduces the static surface tension moderately; decreases sliding friction and prevents from cratering
Borchi Gol 1474	W / S	Polyether-modified polysiloxane; 100%; improves flow and leveling without foam stabilization; provides additional slip properties
Borchi Gol 1376	W / S	Low branched phenyl-modified polydimethyl siloxane; 100%; flow and leveling additive also for high polar systems; stable up to 300 °C
Borchi Gol LA 1	W / S	Modified polysiloxane; 50% in butylglycol; it supports leveling and substrate wetting; combination with Borchi® Gol LA 200 will lead to additional air release properties
Borchi Gol 3467	W / S	Polyether-modified polydimethyl siloxane; 100%; promotion of substrate wetting of hydrophobic, contaminated surface or wood surface difficult to wet; preventions of flow problems and craters
Borchi Gol OL 17	(W) / S	Polyether-modified polysiloxane; 100%; universal flow and leveling agent; reduces the static surface tension moderately; decreases sliding friction and prevents from cratering on film surface
Borchi Gol OL 44	(W) / S	Polyether-modified polysiloxane; 100%; universal flow and leveling agent for industrial coatings; acts independent regarding the curing mechanism; no impact on influence intercoat adhesion
Borchi Gol LAC 80	W / S	Polyether-modified polydimethyl siloxane; 100%; flow-promoting slip additive
Borchi Gol LA 2	W / S	VOC-free surface active agent based on a modified polysiloxane; 100%; controls flow and leveling with additional slip properties; no impact on recoat ability; to formulate VOC reduced systems
Borchi Gol LA 200	W / S	Modified polysiloxane; 100%; slip enhancement as well as improvement of flow and leveling properties; defoaming/deaerating

Levelling/Slip/Substrate Wetting Agents

Borchi Gol LA 232	W / S	Modified polysiloxane; strong slip enhancement and improvement of flow and leveling properties; supports wetting properties; solvent free
Borchi Gol LA 20	S	Organo modified polysiloxane; 50% in Solvesso 100 / MPA mixture; supports leveling and film build in oxidatively drying systems based on alkyd systems; corrects optical film appearance, gloss and slip
Borchi Gol LA 30	S	Organo modified polysiloxane; 50% in methoxy-propyl-acetate; especially for wood and furniture finishes; supports leveling and flow properties of the applied film and provides additional substrate wetting
Borchi Gol MA	S	Polydimethylsiloxane; 100%; for industrial and decorative systems; enables leveling and keeps optical appearance; promotes flow and reduce floating
Borchi Gol M 51	S	Polydimethylsiloxane; 100%; flow promoter for enhanced slip effect; reduced cratering and pinholing
Borchi Gol M 101	S	Polydimethylsiloxane; 100%; flow promoter for preventing pinholes; highly effective anti-cratering agent (to be used for instance as "anti-silicone")
Borchi Gol H 250	S	Polydimethyl siloxane, high branched with net-like structured matrix; 50% in org. solvents; flow promoter; stable up to 250°C
Borchi Gol PL	S	Low branched phenyl-modified polydimethyl siloxane; 100%; flow- / leveling additive for non- and medium-polar systems; stable up to 300°C
Borchi Gol 1375	W	Solution of non-ionic and amphoteric surfactants; silicon-free; for the promotion of substrate wetting of hydrophobic or dirt/oil contaminated surfaces
Borchi Gol LA 50	W / S	Modified polysiloxane; 50% in Dipropylene glycol monobutylether; improves substrate wetting properties even on non polar or dirt substrates
Borchi Gol 3739	W / S	Polyether-modified polydimethyl siloxane; 75% in DPnB; strong reduction of surface tension; supports substrate wetting and leveling performance
Borchi Gol LA 6	S	Modified polysiloxane; 12% in xylene; promotes substrate wetting, flow and leveling properties; it reduces sliding friction without loss of intercoat adhesion
LUCRAMUL WT 100(W/S)		Very low foaming surface active compound with outstanding compatibility. It is recommended as compatibilizer in coating systems, particularly in tinting systems using universal pigment dispersions. As a wetting agent and penetration agent LUCRAMUL WT 100 is able to improve performance of wood stains and wood coatings in term of adhesion of wood, shining wood color and levelling.
LUCRAMUL WT 200(W/S)		Nonfoaming wetting agent. It is suitable for polar solventbased systems and waterbased systems. LUCRAMUL WT 200 demonstrates strong wetting ability in systems, particularly on paper and wood surface.
LUCRAMUL WT 300(W/S)		Moderate foaming wetting agent for waterbased systems. It can reduce the surface tension of water to 25mN/m and improves spreading of water based systems.
LUCRAMUL WT 400(W/S)		Low foaming wetting agent with rapid diffusion characteristics and capability of fast surface tension reduction.
LUCRAMUL WT 500(W/S)		Low foaming wetting agent for waterbased and solventbased systems. The product has a balanced effect on dynamic and static surface tension. It is a good emulsifier for W/O emulsions.
LUCRAMUL WT 600(W/S)		Low foaming wetting agent with a strong impact on dynamic surface tension. The product can be applied in solventbased and waterbased systems. It can be used as a co-solvent due to its broad compatibility and dissolution capability towards nonpolar to polar organic solvents.

Deforming and Air Releasing Agents

Borchers AF 0670	W	Defoamer emulsion for industrial and decorative coating systems as well as for printing inks and adhesives; provides fast air release and defoaming during production and application; good compatibility
Borchers AF 0871	W	Defoamer emulsion, contains polysiloxanes, for waterborne industrial and decorative coating systems as well as for adhesives; supports defoaming in the grinding process as well as in the let down; no loss of defoaming efficiency even after storage of the paint; surface texture, gloss and haze can be improved
Borchers AF 1171	W / S	Solvent-free defoamer based on silicones with hydrophobic particles for use in waterborne, solventborne and solvent-free systems; particularly suited for aqueous decorative paints and aqueous general industrial coatings; easy to incorporate; can be added to the millbase, to the let down or as a post additive
Borchi Gol LA 200	W / S	Modified polysiloxane; 100%; slip enhancement as well as improvement of flow and leveling properties; defoaming/deaerating
Borchers AF T	W / S	Tri-n-butyl phosphate; antifoaming agent for pigment pastes and other highly loaded systems
Borchi Gol 1470	S	Silicone-free air-release additive based on interface active polymers; 37% in solvent mixture; for solvent-free and solvent based 1K- and 2K- industrial coatings
Borchi Gol 1471	S	Silicone-free air-release additive based on polymers with broad compatibility, 20% in solvent mixture; for solvent-free and solvent based 1K- and 2K- industrial coatings
Borchers AF 1270	S	Highly efficient defoamer with air release properties; solution of fluorinated, organo-modified polysiloxanes in butyl acetate; broad compatibility; anti-cratering properties; especially recommended for solventborne epoxies, unsaturated polyesters (UPR), 2K- PU systems, alkyds and UV- systems
Borchi Gol E2	S	Preparation of hydrocarbon resins; silicone-free leveling and air release agent for the use in general industrial coatings as well as in high built and high filled industrial coatings
Borchi Gol 0011	S	Preparation of fatty acid esters and alkylated silicone; 100%; flow promoter and deaeration agent; especially suitable for high-build systems
LUCRAFOAM 1510		Blend of oil free esters and natural oil. Lapid foam destruction with long-lasting effect. Especially suitable for industrial processes in the presence of microorganisms, like fermentation and waste water treatment. The product has no negative impact on the microorganisms. Partly water miscible.
LUCRAFOAM 1573		Oil free esters. LUCRAFOAM 1573 is a viscous liquid that can be emulsified in water. Its solubility decrease with electrolyte addition or higher temperature, but its effectiveness is increased in such environments. If dilution is needed, it is recommended to use calcium free water in order to achieve a stable defoaming emulsion. The optimum concentration for a dilution is 1:10 - 1:100. Partly water miscible.
LUCRAFOAM 8058		Oil free esters. Recommended for industrial applications, especially for agrochemical formulations and paper production.
LUCRAFOAM L		Oil free esters. LUCRAFOAM L can be used in aqueous systems and it has remarkable alkali stability. It is possible to add LUCRAFOAM L to the liquid to be defoamed as delivered. However, it is advisable to dilute the product with water first(1:1 to 1:10).
LUCRAFOAM BA 2000		Silicone free, Bio-degradable antifoam. LUCRAFOAM BA 2000 is effective at pH 2-14 and can also be used in high temperature applications. It has an adequate stability to hard water salts and conventional concentrations of acids, alkali and electrolytes.
LUCRAFOAM E 100 Conc.		Natural oil based. LUCRAFOAM E100 Conc. is designed to prevent or to destroy foam in aqueous media up to boiling temperatures in food or food-related applications. It is a mixture of edible fatty acid mono-, di- and tri-glycerides and is one of the generally approved food additives(E471).

	LUCRAFOAM PA 49 F		Natural triglycerides. LUCRAFOAM PA 49F is only suitable for suppressing foam in aqueous media; its effectiveness varies from the acid to the slightly alkaline range. It can be directly added as supplied or may be used in diluted form(1:1 to 1:10).
	LUCRAFOAM DNE 01		Mineral Oil. LUCRAFOAM DNE 01 is a preparation of mineral oils and stearates, which can be used over the whole pH range. The product should be added as supplied to the liquids which should be defoamed. Particularly advantageous are metering points where high turbulence occurs. If addition in diluted form is required, please follow the instructions in the Technical Datasheet.
	LUCRAFOAM PA 51 01		LUCRAFOAM PA51 01 is partly volatile in steam and resistant to acids and weak alkalis. This product is only suitable for aqueous systems.
	LUCRAFOAM PDT		LUCRAFOAM PDT can be used as defoamer for aqueous or polar organic media. Recommended for dispersions of organic and inorganic pigments and as antifoam agent in the paper surface sizing process.
	LUCRAFOAM S 01		LUCRAFOAM S 01 is a low silicone content defoamer, which is efficient in water based systems. It is easily miscible with water and reveals a high defoaming dynamic. Usually the recommended dosage is between 0.1 to 0.5% on total formulation.
	LUCRAFOAM S 02		LUCRAFOAM S 02 is a low silicone content defoamer, which is very efficient in water based systems, where anionic or cationic surfactants are used. It is applicable in low turbulence systems. It is easily miscible with water and reveals a high defoaming dynamic.
	LUCRAFOAM S 03		LUCRAFOAM S 03 is a modified, self-emulsifying silicone defoamer that differs fundamentally from common silicone antifoams. This product has no tendency to cause clumping or silicone spots. It has an excellent foam suppressing action in a wide temperature range from 20°C to 130°C and is effective at pH 4-12. Typical applications are aqueous systems.
	LUCRAFOAM S 04		LUCRAFOAM S 04 is a defoamer with a high content of silicone. It has a strong defoaming effect and is easy to dilute with water. It can be directly added as supplied or may be used in diluted form(1:11 to max. 1:10).
	LUCRAFOAM S 05		LUCRAFOAM S 05 is a silicone based, selfdispersive antifoam with good deaeration properties. The product has a silicone content of 100%, is free of water and can be used in solvent based systems.
Anti-Skinning Agents/Anti-Oxidants	Ascinin Anti Skin 0445	W / S	Phenol-free and oxime-free anti-skinning agent; diluted with a high flashpoint alcoholic solvent; recommended for use with Cobalt replacements like the Borchi OXY-Coat series.
	Ascinin Anti Skin 0444	S	Phenol-free and oxime-free anti-skinning agent with low VOC content; diluted with fatty acid ester; recommended for use with Cobalt replacements like the Borchi OXY-Coat series; suitable for VOC-reduced and environmentally friendly coatings
	Ascinin Anti Skin 1240	S	Phenol-free and oxime-free anti-skinning agent with low VOC content; diluted with fatty acid ester; recommended for use with Cobalt replacements like the Borchi OXY-Coat series; suitable for VOC-reduced and environmentally friendly coatings; higher volatility than Ascinin Anti Skin 0444
	Ascinin P	S	Phenolic anti-oxidant in solvent mixture
	Ascinin Special	S	Mixture of methyl ethyl ketoxime and phenolic anti-oxidant (1:1)
	Borchi Nox C3	S	Cyclohexanone oxime; 100%; anti-skinning agent especially for printing inks; powder
	Borchi Nox M2	S	Anti-skinning agent based on methyl ethyl ketoxime (MEKO); 100%
	Borchi Nox 614	S	Phenolic anti-oxidant in solvent mixture
Moisture Scavengers	Additive T1	S	p-Toluene sulfonyl isocyanate; 100%; moisture scavenger for 1K- and 2K-PU systems
	Additive OF	S	Ester; 100%; moisture scavenger to improve storage stability of 1K- and 2K-PU systems
Adhesion Promoters	Borchi Gen HMP-F	(W) / S	Oil-free polyester resin; 80% in 1-Propanol (13%) / Dipropylene glycol dimethyl ether (7%); especially suitable for baking enamels
	Borchi Gen HE	S	Oil-free polyester resin; 60% in xylene; improve adhesion and long-term elasticity of coatings on metal substrates and adhesion of metallic pigments in paints; especially suitable for baking enamels and special combination paints
	Borchers H 1480	S	Oil-free polyester resin; 60% in xylene; excellent compatibility with diverse binder systems; improve adhesion of coatings on different metal and non-metal substrates; especially suitable for baking enamels and special combination paints
ANTI-BLOCKING/ANTI-STATIC AGENTS	Borchi Coll 10	W	Opal transparent, anionic colloidal silicon dioxide dispersion; 30% in water; particle size approx. 9 nm; excellent transparency; maximum matting effect
	Borchi Coll 20	W	Opaque, anionic colloidal silicon dioxide dispersion; 30% in water; particle size approx. 18 nm; can show slight matting effect
	Borchi Coll 30	W	Milky, anionic colloidal silicon dioxide dispersion; 30% in water; particle size approx. 35 nm; maximum compatibility
	LUCRACHEM ASA K2(W)		Low viscose water based emulsion of modified alkyl amine and blocked cross linking agent. Suitable in cationic resin based systems as standing alone product, usable in anstatic treatment of fibers and adsorptive surface. Via high temperature curing a permanent antistatic property is obtainable.
	LUCRACHEM ASA K3(W/S)		Modified hydroxyl functional alkyl amine. Suitable for waterbased and solventbased systems. Broadly compatible in cationic and anionic resins dispersions and resin solutions.
Pot life stabilizer	Regulator ZI	S	Highly acidic cation exchanger; pot life stabilizer for 2K- PU high build systems with alkaline extenders; powder
	Borchi Kat 315	16% Bi	highly reactive tin-free catalyst based on metal neodecanoate; for 1- and 2-comp. PU coatings and chemical synthesis; VOC-free and solvent-free
	Borchi Kat 320	28% Bi	highly reactive tin-free catalyst based on metal 2-ethylhexanoate; for 1- and 2-comp. PU coatings, PU-foams and chemical synthesis; diluted in white spirit
	Borchi Kat 24	24% Bi	highly reactive tin-free catalyst based on metal carboxylate; for 1- and 2-comp. PU coatings and chemical synthesis; VOC-free and solvent-free
	12% COBALT Catalyst 510	12% Co	cobalt accelerator developed for the special needs of the polyester resin industry; used in conjunction with organic peroxide catalysts; dissolved in white spirit
	Octa-Soligen Cobalt 6 (xylene)	6% Co	cobalt catalyst; accelerator for unsaturated polyester systems; dissolved in xylene
	Octa-Soligen Cobalt 10 (xylene)	10% Co	cobalt catalyst; accelerator for unsaturated polyester systems; dissolved in xylene

Borchers Deca Cobalt 12(Xylene)	12% Co	cobalt catalyst; accelerator for unsaturated polyester systems; dissolved in xylene
Octa-Soligen Cobalt 12 (xylene)	12% Co	cobalt catalyst; accelerator for unsaturated polyester systems; dissolved in xylene
Soligen Copper 8	8% Cu	copper naphthenate dissolved in white spirit; provides longer processing time and lowers the exothermic peak of unsaturated polyester formulations
15% POTASSIUMM HeX-CEM	15% K	synergistic promoter in combination with cobalt; effective in color critical applications; enables the resin formulator to reduce the amount of cobalt required, resulting in a lighter-colored product; dissolved in diethylene glycol
Borchers LH 10	1.8% Sn	10% aqueous emulsion of an organic metal compound (DBTL); catalyst for waterborne, mat 2-comp. PU systems; perfect for soft-feel coatings
Borchi Kat 28	28% Sn	tin catalyst based on synthetic monocarboxylic acids; catalyst for 1- and 2-comp. PU reactions; for coatings and PU-foams; for the synthesis of (unsaturated)-polyesters, for silicones and urethane alkyls
*) free of VOC according to Council Directive 1999/13/EC (vapor pressure=>=0.01kPa at 20°C)		
Octa-Soligen Zinc 8	8% Zn	zinc-2-ethylhexanoate as moderate catalyst for 1- and 2-comp. PU coatings or adhesives; diluted in white spirit
Octa-Soligen Zinc 23	23% Zn	zinc-2-ethylhexanoate as moderate catalyst for 1- and 2-comp. PU coatings or adhesives; solvent-free
Borchi Kat 15	15% Zn	tin-free catalyst based on pure zinc neodecanoate with moderate reactivity for environmentally friendly solventborne 1- and 2-comp. PU coatings and other chemical systems, approx. 78% active substance, diluted in dearo-matized white spirit
Borchi Kat 0761	15% Zn	tin-free catalyst based on pure zinc neodecanoate with moderate reactivity for environmentally friendly 1- and 2-comp. PU coatings and other chemical systems, approx. 78% active substance, diluted in fatty acid ester
Borchi Kat 22	22% Zn	tin-free, VOC-free and solvent-free metal carboxylate-based catalyst with moderate reactivity for solventborne and solvent-free 1- and 2-comp. PU coatings and chemical synthesis; 100% active substance
Borchi Kat 0243	Bi, Li	tin-free, solventborne catalyst based on a combination of metal carboxylates for PU reactions; esp. for solventborne, discoloration resistant 1- and 2-comp. PU clear coats
Borchi Kat 0244	Bi, Zn	tin-free, solvent-free and VOC-free catalyst based on a combination of metal carboxylates for PU reactions; esp. for solventborne and solvent-free 1- and 2-comp. PU clear coats, 2-comp. PU adhesives as well as for the modification of silicones
Borchi Kat 0245	Zn, Ca	tin-free metal carboxylate-based catalyst with moderate activity; dissolved in xylene; esp. for solventborne pigmented 1- and 2-comp. PU coatings
POLY-CURE 503	Co, K	blend of metal carboxylates as a polyester promoter; provides significant reductions in color and gel-time drift; diluted in white spirit / diethylene glycol
Octa-Soligen Calcium 4, basic	4% Ca	white spirit
Octa-Soligen Calcium 5, basic	5% Ca	white spirit
Octa-Soligen Calcium 10, basic	10% Ca	white spirit
Octa-Soligen Calcium 5, neutral	5% Ca	white spirit
Soligen Calcium 4	4% Ca	white spirit
Soligen Calcium 5	5% Ca	white spirit
Octa-Soligen Calcium 7 HS, neutral	7% Ca	white spirit
Octa-Soligen Cobalt 6	6% Co	white spirit
Soligen Cobalt 6	6% Co	white spirit
Octa-Soligen Cobalt 8	8% Co	white spirit
Borchers Deca Cobalt 10	10% Co	white spirit
Octa-Soligen Cobalt 10	10% Co	white spirit
Borchers Deca Cobalt 12	12% Co	white spirit
Octa-Soligen Cobalt 12	12% Co	white spirit
Octa-Soligen® Cobalt 8 (oil)	8% Co	oil
Octa-Soligen Cobalt 12 (oil)	12% Co	oil
Borchers Deca Cobalt 6HS	6% Co	fatty acid ester free of VOC
Octa-Soligen Cobalt 6 HS	6% Co	fatty acid ester free of VOC

## Catalysts and Driers

Octa-Soligen Cobalt 12 HS	12% Co	fatty acid ester free of VOC
Octa-Soligen Cobalt 7 aqua	7% Co	Water dispersible oil
21% COBalt HYDROXY ten-CeM	21% Co	Drying stabilizer for oxidative drying paint systems; dispersion of cobalt dihydroxide in organic cobalt salts dissolved in white spirit
Octa-Soligen Manganese 6	6% Mn	white spirit
Soligen Manganese 6	6% Mn	white spirit
Borcher Deca Manganese 8	8% Mn	white spirit
Octa-Soligen Manganese 10	10% Mn	white spirit
Octa-Soligen Manganese 8 (oil)	8% Mn	oil
Octa-Soligen Manganese 10 (oil)	10% Mn	oil
Borcher Deca Manganese 8 HS	8% Mn	fatty acid ester free of VOC *
Octa-Soligen Manganese 8 HS	8% Mn	fatty acid ester free of VOC *
Octa-Soligen Manganese 10 HS	10% Mn	fatty acid ester free of VOC *
Soligen Manganese 6 aqua	6% Mn	water dispersible white spirit
Octa-Soligen Zinc 8	8% Zn	white spirit
Octa-Soligen Zinc 10	10% Zn	white spirit
Octa-Soligen Zinc 12	12% Zn	white spirit
Octa-Soligen Zinc 18	18% Zn	white spirit
Octa-Soligen Zinc 23	23% Zn	solvent free
Octa-Soligen Zinc 16 HS	16% Zn	fatty acid ester free of VOC *
Octa-Soligen Zinc 10 aqua	10% Zn	water dispersible oil
Octa-Soligen Zirconium 6	6% Zr	white spirit
Octa-Soligen Zirconium 10	10% Zr	white spirit
Octa-Soligen Zirconium 12	12% Zr	white spirit
Octa-Soligen Zirconium 15	15% Zr	white spirit
Octa-Soligen Zirconium 18	18% Zr	white spirit
Octa-Soligen Zirconium 24	24% Zr	white spirit
Octa-Soligen Zirconium 12 HS	12% Zr	fatty acid ester free of VOC *
Octa-Soligen Zirconium 15 HS	15% Zr	fatty acid ester free of VOC *
Octa-Soligen Zirconium 18 HS	18% Zr	fatty acid ester free of VOC *
Octa-Soligen Zirconium 10 aqua	10% Zr	water dispersible oil
7% AOC E	7% Al	white spirit and glycol ether
AOC 1020 X	8.4% Al	glycol ether
Borchers Deca Barium 12.5	12.5% Ba	white spirit
Octa-Soligen Barium 12.5	12.5% Ba	white spirit

	Octa-Soligen iron 7/8	7/8% Fe	white spirit
	Octa-Soligen Strontium 10	10% Sr	white spirit
	Octa-Soligen lithium 2	2% Li	white spirit
	Octa-Soligen lithium 2 HS	2% Li	fatty acid ester free of VOC *
	Octa-Soligen 27	Co, Ca, Zr	white spirit
	Octa-Soligen 69	Co, Zr	white spirit
	Octa-Soligen 141 Z	Co, Ca, Zr, Zn	white spirit
	Octa-Soligen 146	Co, Ca, Li	white spirit
	Octa-Soligen 155	Co, Ca, Zr	white spirit
	Octa-Soligen 161	Co, Ca, Zr	white spirit
	Octa-Soligen 173	Co, Ba, Zr	white spirit
	Octa-Soligen 203	Co, Ba, Zn	white spirit
	Octa-Soligen 265	Co, Mn	white spirit
	Octa-Soligen 69 HS	Co, Zr	fatty acid ester free of VOC *
	Octa-Soligen 123 aqua	Co, Ba, Zn	water dispersible white spirit
	Octa-Soligen 144 aqua	Co, Zn, Zr	water dispersible oil
	Octa-Soligen 421 aqua	Co, Zn, Zr	water dispersible oil
	19% DRi-RX (a)	19% Bipyridyl	used as drying accelerator, complexing agent or stabilizer; dissolved in 2-Butoxyethanol
Cobalt Replacements	Borchi OXY - Coat	Fe	Iron based drier; standard for solventborne systems; dissolved in propylene glycol
	Borchi OXY - Coat 1310	Fe	Iron based drier; dissolved in dipropylene glycol monomethyl ether; enhanced version of Borchi OXY-Coat for solventborne systems, shows performance improvements in highly non-polar systems, where the standard BOC has compatibility issues; for thixotropic resins, where PG has negative influence on viscosity
	Borchi OXY - Coat 1101	Fe	Iron based drier; standard for waterborne systems; dissolved in water
	Borchi OXY - Coat 1410	Fe	Iron based drier; dissolved in propylene glycol; high concentration version; low VOC; for High Solids
	Borchi OXY - Synergist	-	Synergist for cobalt-free drying accelerators; metal-free alternative to Potassium carboxylates; improves compatibility in low polarity systems, like High Solids and 100% solid systems
	Borchers® Dry 0410	Mn	Highly reactive single-metal manganese primary drier for all conventional oxidative drying coating materials; dissolved in white spirit
	Borchers® Dry 0411 HS	Mn	Highly reactive single-metal primary drier combined with an organic drying accelerator; suitable for reduced-VOC as well as for high-solids coating systems and for oxidative drying printing inks; dissolved in a VOC-free fatty acid ester
	Borchers® Dry 0615 aqua	Mn	Highly reactive cobalt-free primary drier for waterborne oxidative drying coatings based on a drier in combination with an organic drying accelerator; dissolved in water dispersible fatty acid ester
	Borchers® Dry 0133	Mn, Ca, Zn	Activated manganese-based combination drier; all-in-one drier; developed for white and light-pigmented coating systems and clear coats; dissolved in white spirit
	Borchers® Dry 0246	Mn, Ca, Zn	Optimized metal-accelerator ratio; enhanced effectiveness leads to lower addition rate; for universal application in conventional coating formulations; dissolved in white spirit
	Borchers® Dry 0347 aqua	Mn, Zn	Activated blend drier based on manganese combined with other metal carboxylates; especially for waterborne coatings; dissolved in water dispersible white spirit/ oil
Borchers® Vp 0132 (trial product)	V	Primary drier based on an organically modified vanadium complex; replacement for cobalt compounds in air-drying coatings; can be used in fountain solutions of offset printing inks; dissolved in a glycol ether	
	Speedcure 2959(CAS 106797-53-9)		Speedcure 2959 is a highly reactive Type I photoinitiator which will induce the rapid photo-polymerisation of systems comprising unsaturated monomers and pre-polymers when exposed to UV light.
	Speedcure 2-ITX(CAS 5495-84-1)		Speedcure 2-ITX is a highly efficient photoinitiator which, when used in conjunction with tertiary amine synergists, induces the rapid photo-polymerisation of suitable resin formulations.
	Speedcure EDB(CAS 10287-53-3)		Speedcure EDB is a highly efficient amine synergist which, when used in conjunction with Type II photoinitiators, generates free radicals that initiate photo-polymerisation of suitable resin formulations.
	Speedcure DETX(CAS 82799-44-8)		Speedcure DETX is a highly efficient photoinitiator which, when used in conjunction with tertiary amine synergists, induces the rapid photo-polymerisation of suitable resin formulations.

## Photo Initiators

Speedcure MBB(CAS 606-28-0)		Speedcure MBB is a virtually odourless photoinitiator which, when used with tertiary amine synergists, initiates the rapid polymerisation of suitable resin formulations.
Speedcure BKL(CAS 24650-42-8)		Speedcure BKL is a highly efficient, widely used, Type I photoinitiator. The radicals formed by an $\alpha$ cleavage mechanism rapidly initiate the photo-polymerisation of suitable resin formulations.
Speedcure BMS(CAS 83846-85-9)		Speedcure BMS is a highly reactive Type II photoinitiator and will induce the rapid photo-polymerisation when formulated with a suitable tertiary amine synergist.
Speedcure CPTX(CAS 142770-42-1)		Speedcure CPTX is a highly efficient thioxanthone photoinitiator which, when used in conjunction with tertiary amine synergists, induces the rapid photo-polymerisation of suitable resin formulations and can also be used in combination with Speedcure 73 to sensitise iodonium salts in cationic cure.
Speedcure EHA(CAS 21245-02-3)		Speedcure EHA is an efficient amine synergist which, when used in conjunction with Type II photoinitiators, generates free radicals that initiate the photo-polymerisation of suitable resin formulations.
Speedcure BDMB(CAS 119313-12-1)		Speedcure BDMB is a highly reactive Type I photoinitiator and will induce rapid photo-polymerisation when exposed to UV light.
Speedcure MBP(CAS 134-84-9)		Speedcure MBP is a cost effective photoinitiator suitable for use when benzophenone free formulations are required. It is a free flowing, easy to handle, low dusting, small flaked material.
Speedcure TPO(CAS 75980-60-8)		Speedcure TPO is an extremely efficient Type I homolytic photoinitiator, which absorbs UV light at longer wavelengths, thus making it particularly suitable for curing pigmented formulations.
Speedcure TPO-L(CAS 84434-11-7)		Speedcure TPO-L is a liquid Type I photoinitiator absorbing at 380 nm. Photo-fragmentation produces benzoyl and phosphinyl radicals that can initiate the polymerisation of formulations containing acrylates, unsaturated polyesters and styrene.
Speedcure PBZ(CAS 2128-93-0)		Speedcure PBZ is a photoinitiator, which is normally used together with a tertiary amine synergist in the formulation of UV curable coatings.
Speedcure 84(CAS 947-19-3)		Speedcure 84 is a highly efficient, widely used, Type I photoinitiator. Radicals are formed by an $\alpha$ cleavage mechanism and as such Speedcure 84 does not require an amine synergist to promote radical production.
Speedcure 73(CAS 7473-98-5)		Speedcure 73 is a highly efficient, widely used, Type I photoinitiator. Radicals are formed by an $\alpha$ cleavage mechanism and as such Speedcure 73 does not require an amine synergist to promote radical production.
Speedcure MBF(CAS 15206-55-0)		Speedcure MBF is a highly efficient photoinitiator that is ideal for overprint varnish and wood coating applications where excellent surface cure response and non-yellowing are the desired properties.
Speedcure BCIM(CAS 7189-82-4)		Speedcure BCIM is a photoinitiator used in radiation curing of photo-resists and printing inks.
Speedcure 5040-L		Speedcure 5040-L is a benzophenone/thioxanthone free mixture of free radical photoinitiators that has been developed by Lambson Limited in response to technical requirements of customers in the Graphic Arts, Electronics and Industrial Coatings industries.
Speedcure XFLM02		Speedcure XFLM02 is a low migration formulated photoinitiator product that has been developed by Lambson Limited to benefit food packaging related applications of UV overprint varnishes and lacquers where low migration as a main characteristic is mandatory.
Speedcure XFLM01		Speedcure XFLM01 is a low migration formulated photoinitiator product that has been developed by Lambson Limited to benefit food packaging related applications of UV Flexographic, Offset and Screen Printing inks where low migration as a main characteristic is mandatory.
Speedcure 937(CAS 71786-70-4)		Speedcure 937 is an iodonium hexafluoroantimonate salt dissolved in a glycidyl ether reactive diluent. The product has been primarily developed for use with epoxy silicone polymers and is useful in UV cure release coating applications.
Speedcure 937(CAS 61358-25-6)		Speedcure 938 is an iodonium cationic photoinitiator, intended for use in non-silicone applications such as the cationic UV curing of inks.
Speedcure 902D(CAS applied for)		Speedcure 902D is a benzene free cationic photoinitiator. It is a mixture of triarylsulphonium hexafluorophosphate salts in a glycidyl ether reactive diluent.
Speedcure 992(CAS 68156-13-8 & 74227-35-3/ 108-32-7)		Speedcure 992 is a cationic photoinitiator, a mixture of triarylsulphonium hexafluorophosphate salts in propylene carbonate.
Speedcure 976(CAS 71449-78-0 & 108-32-7)		Speedcure 976 is a cationic photoinitiator, which is a mixture of triarylsulphonium hexafluoroantimonate salts in propylene carbonate.
Speedcure 500(CAS 947-19-3 & 119-61-9)		Speedcure 500 is a eutectic liquid mixture of a type one and a type two photoinitiator. It is used to initiate the photo-polymerisation of chemically unsaturated pre-polymers, e.g. acrylates – in combination with mono- and multifunctional monomers.
Speedcure EMK(CAS 90-93-7)		Speedcure EMK is an efficient UV photoinitiator or hydrogen donor absorbing at 377 nm. It is used primarily in the electronics sector.
Speedcure EAQ(CAS 84-51-5)		Speedcure EAQ is a Type II photoinitiator absorbing in the UV spectrum at 330 nm. In the presence of a hydrogen donor, highly reactive donor radicals are formed, which are capable of initiating the polymerisation process very efficiently.
Speedcure 97(CAS 71868-10-5)		Speedcure 97 is a Type I photoinitiator used to initiate UV photo-polymerisation typically with unsaturated monomers and polymers such as acrylates/methacrylates or vinyl polymers.
Speedcure BEDB(CAS 67362-76-9)		Speedcure BEDB is a liquid amine synergist which, when used in conjunction with Type II photoinitiators, generates free radicals capable of initiating the rapid photo-polymerisation of suitable resin formulations. Thioxanthone photoinitiators are highly soluble in Speedcure BEDB, affording a single liquid additive.
Speedcure 976D(CAS 89452-37-9 & 71449-78-0)		Speedcure 976D is a cationic photoinitiator, a mixture of triarylsulphonium hexafluoroantimonate salts in a reactive solvent.
Speedcure 7005(CAS 1003567-82-5 & 1003557-16-1)		Speedcure 7005 is a polymeric photoinitiator suitable for use when benzophenone free formulations are required. It will induce rapid photo-polymerisation when formulated with a suitable polymeric tertiary amine synergist, such as Speedcure 7040
Speedcure 7010(CAS 1003567-83-6)		Speedcure 7010 is a highly efficient polymeric thioxanthone type photoinitiator which when used in conjunction with a polymeric tertiary amine synergist such as Speedcure 7040 or an acrylated amine, induces the rapid photo-polymerisation of suitable resin formulations
Speedcure 7010-L(CAS 1003567-83-6 and 28961-43-5)		Speedcure 7010L is a highly efficient polymeric thioxanthone type photoinitiator which when used in conjunction with a polymeric tertiary amine synergist such as Speedcure 7040 or an acrylated amine, induces the rapid photo-polymerisation of suitable resin formulations.
Speedcure 7040(CAS 1003567-84-7 & 1003557-17-2)		Speedcure 7040 is a highly efficient amine synergist which, when used in conjunction with Type II polymeric photoinitiators, generates free radicals that initiate photo-polymerisation of suitable resin formulations.
Speedcure EPD(CAS 10287-53-3)		Speedcure EPD is a highly efficient amine synergist which, when used in conjunction with Type II photoinitiators, generates free radicals that initiate photo-polymerisation of suitable resin formulations.
Speedcure PDO(CAS 65894-76-0)		Speedcure PDO is a highly reactive Type I photoinitiator absorbing at 259 nm. The excited triplet state undergoes fast fragmentation of the N-O bond to form an oxime radical, which is the prime initiator of the polymerisation.

	Speedcure XFc	Speedcure XFc is a liquid photoinitiator specifically developed for use in clear coatings such as UV overprint varnishes and lacquers where fast curing and low yellowing are a pre-requisite.
	Speedcure XFd	Speedcure XFd is a liquid photoinitiator specifically developed to be highly reactive in dark pigmented systems. The product induces rapid photo-polymerisation of suitable resin formulations containing acrylates, unsaturated polyesters and styrene.
	Speedcure Xfe	Speedcure XFe is a liquid photoinitiator specifically developed for the rapid radiation curing of thick layers typically used in photo-resists and printing inks; it is used primarily in the electronics industry.
	Speedcure XFf	Speedcure XFf is a liquid photoinitiator specifically developed for use in clear coatings (varnishes and lacquers) for wood, paper, metals and plastics. It is also used in the formulation of adhesives and printing inks.
	Speedcure XFw	Speedcure XFw is a product specifically developed for use in white inks and coatings. It is a liquid Type I photoinitiator which when exposed to UV irradiation will produce free radicals that will initiate the polymerisation of formulations containing acrylates, unsaturated polyesters and styrene.
	Speedcure XKm (CAS Proprietary)	Speedcure XKm is a hybrid photoinitiator combining the attributes of both Norrish type I and type II radical generating mechanisms. Hence the product can be used as a type I initiator for clear and white pigmented systems or can also be used with an amine synergist or acrylated amine in order to improve the speed of surface cure, if this is required.
Cycloaliphatic Epoxy Resins	UviCure S105(CAS 2386-87-0)	Uvi-Cure S105 is a standard cycloaliphatic epoxy base resin for use in many applications. The product has a low viscosity which gives the formulator a greater scope for meeting end-use processing needs.
	UviCure S105E(CAS 2386-87-0)	Uvi-Cure S105E is a high purity cycloaliphatic epoxy base resin which has been produced specifically with the electronics industry in mind. The product can also be used in many other applications where low impurity levels are essential.
	UviCure S110LV(CAS 2386-87-0)	Uvi-Cure S110LV is a standard cycloaliphatic epoxy base resin for use in many applications. The product has a low viscosity which gives the formulator a greater scope for meeting end-use processing needs.
	UviCure S128(CAS 3130-19-6)	UviCure S128 is a standard cycloaliphatic epoxide resin whose adipate chain makes formulations that use this product much more flexible. The product is fully compatible with other UviCure products such as UviCure S105 and UviCure S130 and as such formulations with many varied properties can be produced with an infinite number of combinations possible.
	UviCure S130(CAS 3047-32-3)	UviCure S130 is a mono alcohol oxetane. It is used as a reactive diluent in many different applications, in particular for use in Cationic UV curing applications. It is fully compatible with other products within the UviCure range which can be used to produce formulations with various properties.
Polymers for Floor Care	Syntran A-170	Metalbound Pure Acrylic Copolymer; very high durability, excellent chemical resistance. Solid 38%. MFFT 66 °C
	Syntran MT221	Metalbound MEGATRAN Polymer; all-round product, excellent stability. Solid 38%. MFFT 65 °C
	Syntran MT229	Metalbound MEGATRAN Polymer; good chemical resistance, UHS buffable, wet look. Solid 38%. MFFT 60 °C
	Syntran MT241	Metalbound MEGATRAN Polymer; high gloss, good durability. Solid 38%. MFFT 74 °C
	Syntran 1921	Non Metalbound Modified Acrylic Copolymer; low odor, excellent alcohol resistance. Solid 38%. MFFT 75 °C
	Syntran 1930	Non Metalbound Modified Acrylic Copolymer; wax-grafted polymer, good leveling without fluorosurfactant. Solid 38%. MFFT 65 °C
	Syntran 1950	Non Metalbound Modified Acrylic Copolymer; good leveling without fluorosurfactant. Solid 40%. MFFT 54 °C
	Syntran 1671	Non Metalbound Acrylic Sealer Polymer; sealer, excellent adhesion. Solid 40%. MFFT 52 °C
	Syntran 1555	Alkali Soluble Acrylic Resin; clear household formulations. Solid 25%. MFFT 68 °C
	Syntran 1560	Alkali Soluble Acrylic Resin; improved removability and leveling of floorcare products, for wash & wax. Solid 25%. MFFT 77 °C
Polymers for Overprint Varnish and Ink	Syntran 3211	Non-film forming dispersion; High gloss, good heat resistance, fast drying, good water resistance and blocking resistance. Solid 44%. Tg 98 °C. MFFT 90 °C
	Syntran 3214	Non-film forming dispersion; High gloss, good heat resistance, fast drying, good water resistance and blocking resistance. Solid 44%. Tg 75 °C. MFFT 80 °C
	Syntran CX81	Non-film forming dispersion; Low odor, high gloss, compliant with VOC requirement of cigarette package printing. Solid 44%. Tg 56 °C. MFFT 65 °C
	Syntran CX91	Non-film forming dispersion; Low odor, high gloss, good alcohol resistance, good yellowish resistance, excellent color development, good water resistance and blocking resistance. Solid 44%. Tg 70 °C. MFFT 60 °C
	Syntran CX303-40	Non-film forming dispersion; Excellent gloss, improved water resistance and blocking resistance. Solid 48%. Tg 105 °C. MFFT 80 °C
	Syntran CX303-61	Non-film forming dispersion; Very good adhesion on laminated PVC substrate, for low gloss formulation. Solid 41%. Tg 60 °C. MFFT 61 °C
	Syntran CX303-67	Non-film forming dispersion; Very good adhesion on laminated PVC, pure PVC substrate at room temperature. Solid 45%. Tg 33 °C. MFFT 42 °C
	Syntran CX303-70	Non-film forming dispersion; Very good adhesion on laminated PVC substrate, for high gloss formulation. Solid 48%. Tg 95 °C. MFFT 70 °C
	Syntran 3212	Film forming dispersion; APEO free, good flexibility, good adhesion, good levelling. Solid 44%. Tg 17 °C. MFFT 20 °C
	Syntran CX77	Film forming dispersion; Low odor, good adhesion, compliant with VOC requirement of cigarette package printing. Solid 44%. Tg 37 °C. MFFT 35 °C
	Syntran CX82	Film forming dispersion; Low odor, good adhesion, compliant with VOC requirement of cigarette package printing. Solid 44%. Tg 16 °C. MFFT 25 °C
	Syntran CX305-10	Film forming dispersion; Good leveling, good adhesion and flexibility. Solid 45%. Tg 8 °C. MFFT <0 °C
	Syntran CX305-21	Film forming dispersion; Very good adhesion on aluminum vacuum plated paper, laminated PVC, PVC substrate. Solid 48%. Tg 15 °C. MFFT 20 °C

	Syntran 3101		Styrene-Actylic Solution; APEO free, excellent pigment dispersing ability, high gloss and holdout, excellent ink transferability. Solid 30%. Tg 90 °C. MFFT 70 °C
	Syntran 3103		Styrene-Actylic Solution; APEO free, low odor, excellent pigment dispersing ability, high gloss and holdout, excellent ink transferability. Solid 34.5%. Tg 90 °C. MFFT 70 °C
Polymers for Waterborne Wood Coatings	Syntran 6130		Styrene-acrylic; excellent adhesion and abrasion resistance. Solid 40%. MFFT 50 °C
	Syntran 6131		Styrene-acrylic; fast dry, good blocking resistance, sandibility and abrasion resistance. Solid 38%. MFFT 60 °C
	Syntran AX313-34		Pure acrylic; self crosslinking, excellent water and chemical resistance, good abrasion resistance, good film hardness and transparency. Solid 40%. MFFT 45 °C
	Syntran 404		Pure acrylic; excellent water resistance and weather resistance, good flexibility. Solid 48%. MFFT 15 °C
	Syntran 405		Pure acrylic; excellent water and chemical resistance, verg good weather resistance, good compatibility with PU. Solid 46%. MFFT 39 °C
	Syntran U3131		Urethane Dispersion; Very good abrasion resistance. Solid 40%. MFFT >20 °C
	Syntran U3133		Acrylic-Urethane Copolymer Dispersion; Abrasion resistance, chemical resistance. Solid 39%.
	Syntran 6304		Cationic Acrylic Copolymer Dispersion; Blocking of difficult stains, good adhesion, for Low VOC formulation. Solid 35%. MFFT <10 °C
	Syntran 6305		Cationic Acrylic Copolymer Dispersion; Blocking of difficult stains (wood extractives, nicotine, graffiti, etc.), good adhesion. Solid 35%. MFFT 22 °C
	Syntran 6306		Cationic Acrylic Copolymer Dispersion; Blocking of difficult stains on wood, good adhesion, hard type, dry fast, good sandability. Solid 35%. MFFT 40 °C
Wax Dispersions	Syntran WE1401		Hard PE wax; abrasion resistance, anti-blocking, melting range 122-139°C. Solid 35%
	Syntran PA1445		Olefin graft; slip control, melting range 80-100°C. Solid 40%
	Syntran PA1465		Olefin graft; slip control, melting range 80-100°C. Solid 38%
Flame Retardants	Aflammit LRI 501(W)		pH=7.0, Density: 1.33-1.34g/ml. Special product for the finish of flame retardant leather for interior of cars,plane and for furniture.
	Aflammit ASN(W)		pH=6.0-8.0, Density:1.22-1.24g/cm3, Solid contents:41-45%, Hardly inflammable treatment of woven, knitted and non woven cellulosic fiber, their blends, as well with wool,synthetic resin and fleece fabrics
	Aflammit HM(W)		pH=4.5-5.0,suits for the flame retardant finish of wood.solution will be applied evenly on the surface. • On a less absorbent wood, a further dilution with water (approx. 1:1) as well as the addition of 0,5 – 1,0 % of KYOLOX BAT drawn on the total quantity is recommended
	Aflammit NAH2(W)		Solid contents:50%, suitable for padding, lick roller and for most coating systems, Shows fastness to water soaking, gentle washing treatments and dry-cleaning when used in binder systems.Can be combined with other products such as preservatives and water repellents Gives all most transparent film on the fabric
	Aflammit PLF 150(S)		Phosphorous contents: 8.3%.Main use: PVC, synthetic rubber, flexible PUR foams and Other uses: FR for cellulosic resins, processing aid for PPO and Polycarbonate (and its blends) Flame retardant with plasticizing effect Can be used as viscosity reducer in many applications

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