

Your Partner for the
Coatings Market



Biesterfeld Laboratory Services

The Lab and Innovation Centre is where we work on the products and solutions of tomorrow.

- Development of customer-specific solutions
- Creation of innovative, marketable formulations / end products with our broad portfolio of additives and raw materials
- Product screening of new materials from our suppliers
- Comparative tests



Biesterfeld 
Lab and Innovation Centre

Lab & Innovation Centre

In our Lab and Innovation Centre in Hamburg we have the possibility to support the development of tailored solutions for and together with our customers.

The Lab allows us to engage intensively with product research and application tests, and it serves as a fully developed training centre.

If you have an idea for a project get in touch:
case@biesterfeld.com

Product Portfolio Coatings

Trade name	Product group	Waterborne	Solvent	High solid	100%	Powder	Product description	Supplier
CELLANO™ DextraCel®	Cellulose powder Cellulose nanocrystals	✓	✓	✓	✓	✓	High quality biodegradable matting performance enhancer Nanocellulose particles derived from wood to improve scratch resistance and surface hardness without compromising the flexibility	ANOMERA
CRAYVALLAC®	Rheology modifier	✓	✓	✓	✓	✓	Based on hydrogenated castor oil, polyamide, polyurea, polyurethane or oxidised polyethylene. Available as pre-activated pastes in standard solvents and dissolved in special solvents	ARKEMA
CRAYVALLAC®	Surface modifier	✓	✓	✓	✓	✓	The additives from Arkema for surface modification are waxes based on polyethylene and polypropylene.	ARKEMA
BOMAR® OLIGOMERS	Oligomere und Curative				✓		Aliphatic and aromatic urethane, polyether urethane and polyester urethane acrylates and methacrylates for energy, light and other free-radical curing applications	BOMAR
CORTEC M-Series	Corrosion inhibitor	✓	✓				Temporary and permanent corrosion protection for iron and non-ferrous metals	CORTEC
KELCO-VIS™	Diutan Gum	✓					Polysaccharide that is used to stabilise emulsions and suspensions - having a stronger pseudoplasticity compared to Xanthan gum	TATE & LYLE
KELZAN®	Xanthan Gum	✓					Polysaccharide, mainly used to thicken and stabilise emulsions, foams & suspensions	TATE & LYLE
ADVANTIS™	Adhesion promoter	✓	✓	✓			Adhesion promoter for different substrates for s/b and w/b	EASTMAN
CAB SOLUS™	High performance additive and co-resin		✓	✓			Cellulose derivatives to increase the application and usage properties in s/b paints	
TAMISOLVE™ NXG	Solvent	✓	✓	✓			Appropriate CMR-free solvent with aprotic property	
TEXANOL™ OPTIFILM™ Enhancer	Coalescing agent	✓					Widely used coalescing agent - VOC-free Frequently used coalescing agents - VOC-free	
TETRASHIELD™	Adhesion promoter		✓	✓			High-performance polyester resins; for industrial, metal and packaging coatings	
VANTEX™ T ADVANTEX	Neutralizing amine	✓					Low-VOC, low-odor high quality neutralizing agent for w/b systems High quality neutralizing agent for w/b systems	EASTMAN
UNIFY®	Coalescing agent	✓					VOC-free coalescing agent	ELEVANCE
ACEMATT®	Silica based matting agents	✓	✓	✓	✓	✓	Matting agents for water and solvent based coatings	EVONIK COATINGS ADDITIVES
AERODISP®	Rheology modifier based on fumed silica	✓		✓			Thixotropic thickeners based on silica in the form of a dispersion in water	
AEROSIL®	Rheology modifier based on fumed silica	✓	✓	✓	✓	✓	Hydrophilic and hydrophobic thixotropic rheology modifiers	
AEROXIDE®	Free flow and anti-cake agent					✓	Additives for powder coating based on silica	
ADDID®	Antistatic additive /bonding agent	✓	✓	✓			Solvent-free, liquid additive to increase the conductivity of industrial coatings Solvent-free, amino-functional alkoxy silanes for improving the adhesion of solvent- and water-based industrial coatings	
AIRASE®	Defoamer	✓					Effective defoamer concentrate based on polyether siloxane technology	
CARBOWET®	Wetting agent	✓		✓	✓		Nonionic organic wetting agents for good substrate wetting and stabilizing/emulsifying properties	
COLOROL® F	Dispersing agent		✓	✓			Modified soya lecithin for use as a wetting and dispersing additive in solventborne formulations. Helps the wetting of pigments and provides good color strength	

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DYNOL®	Wetting agent	✓	✓	✓	✓		Nonionic, mostly organic gemini surfactants, specially developed for wetting particularly difficult substrates and improving the surface appearance	EVONIK COATINGS ADDITIVES
LIPOTIN®	Dispersing agent	✓	✓	✓			Based on soya lecithin and used for wetting of pigments	
NANOCRYL® NANOPOX® NANOPOL®	Nanosilica compounds	✓	✓	✓	✓		The silica nanocomposites are colloidal silica sols in various binders and solvents. They are low viscosity products that are highly transparent and do not exhibit any sedimentation	
SIPERNAT®	Silicate-based fillers	✓	✓	✓		✓	Special filler based on precipitated synthetic silicate	
SILIKOFTAL®	Silicone polyester resin		✓	✓			Silicone polyester resins for heat-resistant coatings (up to 200°C) and suitable non-stick coatings for cook- and bake-ware due to their broad food contact approval	
SILIKOPHEN®	Silicone resin	✓	✓	✓	✓		Phenyl methyl silicone resins for heat-resistant coatings (>300°C)	
SILIKOPON®	Silicone epoxy resin	✓	✓	✓			Silicone epoxy hybrid resin	
SILIKOPUR®	Silicone resin	✓					Air-drying waterborne silicone modified polyurethane emulsion	
SILIKOTOP®	Silicone resin		✓	✓			High solid silicone polyester resin with low VOC content and processing viscosity	
SPHERILEX®	Special filler	✓	✓	✓	✓	✓	Rub and scratch resistance improving additive based on precipitate silica	
SURFYNOL®	Deoamer	✓	✓	✓	✓		Non-ionic, organic gemini surfactants, dynamic substrate wetting with defoaming effect	
TEGO® Addbond	Adhesion promoter	✓	✓	✓	✓		Polyester resins which improve the adhesion of coating and printing ink formulations	
TEGO® Airex	Defoamer/Deaerator	✓	✓	✓	✓		Deaerator based on organically modified polysiloxanes, fluorosilicones or organic polymers for combating microfoam	
TEGO® Dispers	Dispersing agent	✓	✓	✓		✓	Dispersing agents for resin & resin-free pigment preparations	
TEGO® Foamex	Defoamer	✓	✓	✓	✓		Based on organically modified polysiloxanes, as an emulsion or concentrate (can also be used in solvent-based systems)	
TEGO® Glide TEGO® Flow	Slip and flow additive	✓	✓	✓			Improves leveling and reduces cratering - For adjusting the slip and block resistance of coatings	
TEGO® Phobe	Hydrophobing agent	✓	✓	✓			Reduction of water uptake and generation of water-beading effect	
TEGO® Powder Aid	Multifunctional additive					✓	Additives for powder coating	
TEGO® Protect	Anti-graffiti additive	✓	✓	✓			Hydroxyfunctional polydimethylsiloxane and silicone polyacrylate which enhance an easy-to-clean effect	
TEGO® Rad	Slip and flow additive	✓	✓	✓	✓		Acrylic functional additives to improve slip, substrate wetting, anti-cratering effect, scratch resistance and levelling in radiation and UV-curing coatings	
TEGO® Therm	Thermal insulation coating	✓					Specialized high-performance granules and heat-resistant binder for thermal insulation coatings	
TEGO® Twin	Wetting agents	✓	✓	✓	✓		Non-ionic, siloxane-based gemini surfactants, dynamic wetting agent for good spreading, with anti-cratering and defoaming effect	
TEGO® Variplus	Grinding resin	✓	✓	✓			Non-saponifiable hard resins with low molecular weight and excellent compatibility	
TEGO® ViscoPlus	Rheology modifier	✓					PH-independent, associative thickener	
TEGO® Wet	Wetting agent	✓	✓	✓	✓		Non-ionic wetting agent to ensure excellent spreading helps to reduce surface tension in water-based systems without foaming	
TEGO® Wet Terra	Biosurfactants	✓					Biosurfactants with very low VOC content, offering excellent pigment and substrate wetting. Suitable for meeting EU Ecolabel standards.	
ZETASPERSE®	Dispersing agent	✓	✓				Non-ionic and ionic wetting agent with focus on pigment wetting	

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DABCO® POLYCAT®	Amine catalysts	✓	✓	✓	✓		Metal-free & emission-free alternatives to tin or mercury catalysts for use in 1K & 2K PU applications	EVONIK COMFORT AND INSULATION
KOSMOS®	Metal catalyst	✓	✓	✓	✓		Metal catalysts based on tin, bismuth, zinc and potassium for use in 1K and 2K PU system	
ANCAMINE® ANCAMIDE®	Epoxy Curing Agent		✓	✓	✓		Amine based hardeners for use in 1K & 2K epoxy systems. For solvent-based, solvent-free & waterborne systems	EVONIK CROSS-LINKERS
ANCAREZ® EPIRES® EPODIL®	Epoxy resin & reactive diluent	✓	✓	✓	✓		Liquid bisphenol-based specialty resins & hydrocarbon resins. Reactive diluents based on mono- & diglycidyl ethers	
EPILINK® ANQUAMINE®	Epoxy Curing Agent	✓					Waterborne amine curing agent based on modified amines and polyamines	
HYBRIDUR®	Hybrid binder	✓					Anionically stabilized urethane-acrylic hybrid polymers	
KRONOS 9900	Pigment concentrate	✓					Titanium dioxide pigment concentrate for waterbased and hybrid inkjet inks	KRONOS
SAA-100	Styrene Ally Alcohol Copolymers		✓				Used to prepare high performance resins or derivatives and as a binder in various formulations	LUERCHEM
NEWOSTAT®	Antistatic	✓				✓	Ethoxylated polyalcohols, alkyl sulphonates and quaternary ammonium salts for all types of PVC applications and TPEs	NEWOS
TEXIPOL® TEXICRYL®	Rheology modifier & Binder	✓					Hydrophobically modified polyacrylates for covering a wide range of rheology profiles	SCOTT BADER
SONGCURE® CS	Photoinitiator		✓	✓	✓		Photoinitiators for UV curing of coatings, inks and adhesives	SONGWON
SONGNOX® CS	Antioxidant	✓	✓	✓	✓	✓	Phenolic primary antioxidants and organic phosphites for colour and processing stabilisation	
SONGSORB® CS	UV-absorber	✓	✓	✓	✓	✓	UV-A & UV-B absorbers (benzotriazoles, benzophenones, triazines, oxalic acid anilide and benzoates)	
SONGSORB® CS	Hindered amine light stabilizer (HALS)	✓	✓	✓	✓	✓	Low and high molecular weight HALS in solid and liquid form	
VINKOCIDE® PROMEX™ PARMETOL® GROTAN® GROTANOL®	Biocide	✓				✓	In-can biocides for coatings, building materials, adhesives, sealants	VINK CHEMICALS
VINKOCIDE® PROMEX™ PARMETOL®	Biocide	✓				✓	Biocides for dry film protection of coatings, building materials, adhesives, sealants and plastics	
VINKOCLEAN®	System cleaner	✓					Biocide free system cleaners	

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