

# Your partner for the CASE market



# Portfolio CASE

## Applications & product groups

#### 1 Coatings

Acrylic powder resins Acrylic polyols Adhesion promoter Alkyd resins Anhydrides Anti-graffiti additives Antioxidants Antistatic agents **Biobased** polyols Biocides **Bisphenol types** Bonding agents Carbon nanotube dispersions (CNT) Coalescing agent Co-binders Core-shell isocyanates Corrosion inhibitors DCPD adducts Deaerators Defoamers

#### 2 Adhesives

Acrylic polyols Antioxidants Core-shell isocyanates Corrosion inhibitors Deaerators Defoamers Dispersants Diutan gum Emulsifiers Epoxy accelerators & modifiers Epoxy curing agents

#### **3** Construction

Airentrainers Alkyd Resins Antioxidants Biobased polyols CMC Core-shell isocyanates Deaerators Defoamers Dispersing agents Diutan gum Emulsifiers Epoxy accelerators & modifiers

### 4 Polyurethanes

Antioxidants Antistatic agents Biobased polyols Emulsifier Fluorinated mica

- Dispersants Diutan gum Emulsifiers Epoxy accelerators & modifiers Epoxy curing agents Epoxy esters Epoxy resins & reactive diluents H12MDI, IPDI & TDI prepolymers HALS light stabilisers High-performance additive Hydrophobing agents Levelling agents Matting/haptic agent Nanoresins Neutralizing amine Oligomers & curatives Performance additive Photoinitiators Pigment concentrate Polyesterbased resins
- Epoxy resins & reactive diluents Nanoresins Oligomers & curatives Photoinitiators Polyester polyols PU amine catalysts PU amine chain extenders & curatives H12MDI, IPDI & TDI prepolymers HALS light stabilisers PU foam stabilisers PU metal catalysts

Epoxy curing agents Epoxy resins & reactive diluents H12MDI, IPDI & TDI prepolymers HALS light stabilisers Hydrophobing agents PU amine catalysts PU amine chain extenders PU foam stabilisers PU metal catalysts PU performance additives Shrinkage reducing agents Silane modified polymers

H12MDI, IPDI & TDI prepolymers HALS light stabilisers PU amine catalysts PU amine chain extenders PU colour pastes Polyurethane resins PU amine catalysts PU amine chain extenders & curatives PU metal catalysts PU performance additives Reactive resin modifier Rheology additives / thickeners Silicone elastomers Silicone resins & components Slip and flow additives Solvent-based acrylic resins Surfactants System cleaner Thickeners Urethane acrylic hybrid resins UV absorbers UV initiators Waxes Wetting agents Xanthan gum

PU performance additives Rheology additives / thickeners Silane modified polymers Silane modified reactive diluents Silicone elastomers Starch derivatives Urethane acrylic hybrid resins UV absorbers Wetting agents Xanthan Gum

Silane modified reactive diluents Starch ethers Release agents Rheology additives / thickeners Urethane acrylic hybrid resins UV absorbers Wetting agents Xanthan gum

PU foam stabilisers PU metal catalysts PU performance additives Rheology additives / thickeners UV absorbers

# Product portfolio CASE

Trade name	Product group		րկե	cati	511	Product description	Supplier
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CELLANO™	Matting/ haptic agent					High quality biodegradable matting performance enhancer out of cellulose	ANOMER
DEXTRACEL®	Performance additive					Biodegradable multifunctional performance enhancer, 100% cellulose nano crystals	ANOWENA
CRAYVALLAC®	Dispersants					<ul> <li>Pigment dispersants</li> <li>Use in solvent-based systems</li> </ul>	
CRAYVALLAC®	Thickeners / rheology modifiers					<ul> <li>Hydrogenated castor oil, polyamide, modified urethane, oxidised PE for solvent-based systems</li> <li>PU modified acrylics &amp; solutions of modified urea for aqueous systems</li> </ul>	ARKEMA
CRAYVALLAC®	Levelling agents Waxes					<ul> <li>Polyester &amp; acrylic based levelling agents</li> <li>PE (FT), PP based waxes</li> </ul>	
AVEDEX® PERFECTAMYL® SOLVICOL®	Starch derivatives					<ul> <li>Thickening, adhesive or binding additives</li> <li>Use e.g. in adhesives</li> </ul>	AVEBE
CASUCOL™ 0PAGEL™ ©OLVITOSE®	Starch ethers					<ul><li>Non-thickening rheology modifying additives</li><li>Use in dry mortar formulations</li></ul>	AVEDE
AECHT	Carbon nanotubes dispersions (CNT)					Improvement of electrostatic properties or electrical conductivity. Use in ESD-UV-coatings & photopolymer SLA/DLP 3D-printing systems with ESD properties	BOMAR
OMAR® OLIGOMERS	Oligomers & curatives					Aliphatic & aromatic urethane, polyether urethane & polyester urethane acrylates or methacrylates for radical curing applications	DOWAR
MUTHANE®	H12MDI, IPDI & TDI prepolymers					<ul> <li>Tailor-made prepolymers</li> <li>Non-labelled aliphatic &amp; aromatic diisocyanates with very low free-monomer content</li> <li>For 1K &amp; 2K PU applications</li> </ul>	СОІМ
ORTEC M-Series	Corrosion inhibitors					<ul> <li>Additives for temporary &amp; long-term corrosion protection of steel &amp; non-ferrous metals</li> </ul>	CORTEC
ELCO-VIS™	Diutan gum					<ul><li>Highly effective, pseudoplastic thickener</li><li>Use in aqueous systems</li></ul>	
ELTROL® ELZAN®	Xanthan gum					<ul> <li>High molecular weight anionic polysaccharide</li> <li>Strongly pseudoplastic</li> </ul>	CP KELCO
BURNOCK® AC VATERSOL® AC TINEPLUS® AC	Acrylic polyols Acrylic powder					<ul> <li>OH-functional acrylic resins</li> <li>Use in aqueous or solvent-based 2K systems</li> <li>Glycidyl methacrylate for powder coatings</li> </ul>	
BURNOCK <sup>®</sup> PU 89er Reihe	resins Core-shell					<ul> <li>Very good adhesion, e.g. on plastics</li> <li>Longer pot life, less blistering at higher wet layer thicknesses</li> </ul>	
URNOCK® EP VATERSOL® EP	isocyanates Epoxy esters					<ul> <li>Less NCO excess required</li> <li>For use in aqueous or solvent-based 1K corrosion protection systems</li> </ul>	DIC
INEPLUS® HM BURNOCK® PU VATERSOL® PU	Polyester polyols Polyurethane resins					<ul> <li>Use in reactive 2K PU hot melt adhesives</li> <li>Excellent adhesion on critical substrates For aqueous or solvent-based printing inks</li> </ul>	
EXANOL PTIFILM Enhancer	Coalescing agent					Widely used coalescing agent - VOC-free     Frequently used coalescing agents - VOC-free	
AB OLUS	High performance additive and co- resin					<ul> <li>Cellulose derivatives to increase the application and usage properties in s/b paints</li> </ul>	
ETRASHIELD	Polyesterbased resins					<ul> <li>High-performance polyester resins; for industrial, metal and packaging coatings</li> </ul>	EASTMA
DVANTIS	Adhesion promoter					• Adhesion promoter for different substrates for s/b and w/b	
ANTEX-T DVANTEX	Neutralizing amine					Low-VOC, low-odor high quality neutralizing agent for w/b systems	
AMISOLVE NXG	Solvent					<ul> <li>High quality neutralizing agent for w/b systems</li> <li>Appropriate CMR-free solvent with aprotic property</li> </ul>	
JNIFY®	Coalescents					VOC-free coalescing aid	ELEVANC

		Application		on			
Trade name	Product group	1	2	3	4	Product description	Supplier
VERSALINK®	PU amine chain					Primary monomeric & oligomeric diamines	
	extenders					<ul> <li>For PU, polyurea &amp; epoxy applications</li> </ul>	
DABCO®	PU amine					<ul> <li>Metal-free &amp; emission-free alternatives to tin or</li> </ul>	
POLYCAT®	catalysts					mercury catalysts	
						• For use in 1K & 2K PU applications	
KOSMOS®	PU metal					Metal catalysts based on tin, bismuth, zinc & potassium	EVONIK
	catalysts					For use in 1K & 2K PU applications	Comfort &
ORTEGOL®	PU performance additives					<ul> <li>Process additives for PU production</li> <li>Products to modify final properties</li> </ul>	Insulation
	auunives					<ul> <li>Antistatics, adhesion promoter improvers, aldehyde</li> </ul>	
						scavengers & much more	
TEGOCOLOR®	PU colour pastes					Pigment pastes for PU formulations	
TEGOSTAB®	Surfactants					Silicon-based & silicon-free surfactants	
						• For use in 1K & 2K PU applications	
TEGO <sup>®</sup> PROTECT	Anti-graffiti					• For aqueous or solvent-based polyurethane coatings	
	additives						
ADDID® 230	Anti-static					• Solvent-free, liquid additive to increase the conductivity	
	additive					of industrial coatings	
TEGO <sup>®</sup> ADDBOND,	Co-binders					• Ketone aldehyde & polyester resins to increase strength	
TEGO® VARIPLUS						& improve adhesion to the substrate & interlayer adhesi-	
	Dianation					on	
CARBOWET <sup>®</sup> , COLOROL F ZETASPERSE <sup>®</sup> , LIPOTIN <sup>®</sup>	Dispersing					<ul> <li>Dispersing agents for resin &amp; resin-free pigment preparations</li> </ul>	
TEGO® DISPERS,	agents					preparations	
TEGOMER® DA							
AIRASE®	Defoamers &					<ul> <li>Nonionic surfactants, organic oils, mineral oils, siloxanes,</li> </ul>	
SURFYNOL®	deaerators					molecular defoamers	
TEGO <sup>®</sup> AIREX						• Products also in powder form	
TEGO® FOAMEX						• For water-based or solvent-based paints & varnishes,	
TEGO <sup>®</sup> ANTIFOAM						concrete, superplasticisers and dry mortar	
SITREN AIRVOID®							EVONIK
TEGO® FLOW	Slip & levelling					Improves levelling & reduces cratering	Coating
TEGO® GLIDE	additives					For adjusting slip properties & blocking resistance	Additives
TEGO <sup>®</sup> RAD	Slip & levelling additives					<ul> <li>Acrylic additives to improve slip, substrate wetting, anti- cratering, scratch resistance</li> </ul>	
	adultives					& levelling in radiation & UV cured coatings	
ADDID <sup>®</sup> 900	Adhesion					<ul> <li>Solvent-free, amino-functional alkoxysilanes for improving</li> </ul>	
ADDID® 911	promoters					the adhesion of solvent & waterborne industrial coatings	
TEGO® PHOBE, TEGOSIVIN®	•					<ul> <li>For water &amp; solventborne coatings, concrete</li> </ul>	
SITREN <sup>®</sup> P	agents					admixtures & dry mortar	
CARBOWET <sup>®</sup> , DYNOL <sup>®</sup> ,	Wetting agents					<ul> <li>Non-foaming / low-foaming wetting agents</li> </ul>	
SURFYNOL®, TEGO® WET						• Fast & effective substrate wetting even on difficult	
SURFYNOL® AS, LIPOTIN®						substrates, good levelling	
TEGOPREN®, TEGO® SURTEN,						Also in powder form, VOC-free, solvent-free	
COLOROL F, TEGO® TWIN	Phoology					• According the polyurothano thickonors for modifying	
TEGO <sup>®</sup> VISCOPLUS	Rheology additives					<ul> <li>Associative polyurethane thickeners for modifying rheological profiles in water-based systems</li> </ul>	
SILIKOPON <sup>®</sup> , SILIKOPUR <sup>®</sup> ,	Silicone resins &					Silicones and hybrids with polyesters, epoxides &	
SILIKOPHEN®, TEGOMER®	components					polyurethanes	



		Application					
Trade name	Product group	1	2	3	4	Product description	Supplier
ANCAMINE <sup>®</sup> , AMICURE <sup>®</sup> , ANCHOR <sup>®</sup> , CATALYST, CURE- ZOL <sup>®</sup> , DICYANEX <sup>®</sup> , IMICURE <sup>®</sup>						<ul> <li>Accelerators / Catalysts</li> <li>Use in 1K &amp; 2K epoxy systems</li> </ul>	
ANCAREZ® EPIRES® EPODIL®	Epoxy resins & reactive diluents					<ul> <li>Liquid &amp; solid bisphenol-based specialty resins, acrylic- functional urethane resins &amp; hydrocarbon resins</li> <li>Reactive diluents based on mono- and diglycidyl ethers</li> </ul>	
ANCAMIDE®, ANCAMINE®, AMICURE®, ANQUAMINE®, ANCHOR®, EPILINK®, CUREZOL®, IMICURE®	Epoxy curing agents					<ul> <li>Modified polyamines, amidoamines, adducts, imidazoles, dicyandiamide, aminoamides</li> <li>Use in 1K or 2K epoxy systems</li> <li>Solvent-based, solvent-free &amp; waterborne</li> </ul>	EVONIK Cross- linkers
HYBRIDUR®	Urethane acrylic hybrid resins					<ul> <li>NMP-free, aqueous PU acrylic hybrid dispersions</li> <li>Well-balanced ratio between hardness &amp; toughness as well as rapid curing</li> <li>Excellent adhesion spectrum on various substrates</li> </ul>	
ALBIPOX® ALBIFLEX® ALBIDUR®	Reactive resin modifiers					<ul> <li>Linear block copolymers, core-shell silicone rubber and rubber toughened epoxies for different applications to improve a.o. impact resistance, toughness, thermal shock resistance or fatigue</li> <li>performance of reactive adhesives</li> </ul>	
REWOPOL®	Emulsifiers					Ionic & non-ionic emulsifiers for polymer dispersions	
SITREN AIRVOID®	Air entrainers					<ul><li>Powder &amp; liquid foam stabilisers</li><li>For concrete &amp; drymix systems</li></ul>	EVONIK
SITREN® SRA SITREN® PSR	Shrinkage reducers					<ul> <li>Powder shrinkage reducers for cementitious formulations</li> </ul>	Interface & Performance
SITREN® MR	Release agents					<ul> <li>Concentrates of biobased oils as a substitute for oil-based release agents</li> </ul>	
POLYMER ST TEGOPAC®	Silane modified polymers and reactive diluents					<ul> <li>Adhesives &amp; Construction</li> <li>Methanol &amp; ethanol releasing binders</li> </ul>	
TEGO® RHEO NANOCRYL®, NANOPOX® NANOPOL®	Thickeners Nano silica compounds					<ul> <li>Pseudoplastic and newtonian PU thickeners</li> <li>Modification of mechanical properties for coatings &amp; adhesives (a.o. scratch resistance, fracture toughness)</li> </ul>	
KRONOS 9900	Pigment concentrate					<ul> <li>Titanium dioxide pigment concentrate for waterbased and hybrid inkjet inks</li> </ul>	KRONOS
NEWOSTAT®	Antistatic additives					<ul> <li>Cationic, non-ionic &amp; anionic antistatic additives for polymers</li> <li>Reduction of electrostatic charges on surfaces</li> </ul>	NEWOS
BIOPOLYOLS	Biobased polyols					<ul> <li>Polyols based on renewable sources, such as tall oil and rapeseed oil</li> </ul>	POLYLABS
SONGNOX® CS	Antioxidants					<ul> <li>Phenol derivatives, phosphites, sulphur compounds</li> <li>Retardation of thermal degradation of organic substrates</li> </ul>	
Functional Monomers	DCPD adducts, bisphenol types & anhydrides					<ul> <li>For the production &amp; modification of numerous resins &amp; plastics with the highest chemical purity</li> <li>Optimisation of chemical, thermal &amp; mechanical stability</li> </ul>	
SONGSORB <sup>®</sup> CS	HALS					<ul><li>Sterically-hindered amines (HALS)</li><li>Retardation of the light-induced degradation of polymers</li></ul>	SONGWON
SONGCURE® CS SONGSORB® CS	UV inititiators UV absorbers					<ul> <li>UV initiators for UV-curing of coatings, inks &amp; adhesives</li> <li>Benzotriazoles, benzophenones, triazines, benzoate, cyanoacrylate, oxanilide</li> <li>Retardation of light-induced degradation of organic substrates</li> <li>UV protection for deeper layers</li> </ul>	

1 Coatings

Trade name	Product group	Application					
		1	2	3	4	Product description	Supplier
TEXIPOL® TEXICRYL®	Rheology Additives					• HASE thickener" hydrophobically modified polyacrylates, for covering wide range of rheology profiles	
CRESTACRYL®	Solvent Acrylic Resins					<ul> <li>Solvent acrylic resins with outstanding durability and toughness for industrial applications</li> </ul>	SCOTT BADER
CRESTAKYD®	Solvent-based acrylic resins					• A range of acrylic dispersions	
VINKOCIDE PROMEX PARMETOL GROTAN GROTANOL	Biocide					<ul> <li>In-can biocides for coatings, building materials, adhesives, sealants</li> </ul>	VINK CHEMICALS
VINKOCIDE PROMEX PARMETOL	Biocide					<ul> <li>Biocides for dry film protection of coatings, building materials, adhesives, sealants and plastics</li> </ul>	CHEWICALS
VINKOCLEAN	System cleaner					Biocide free system cleaners	

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