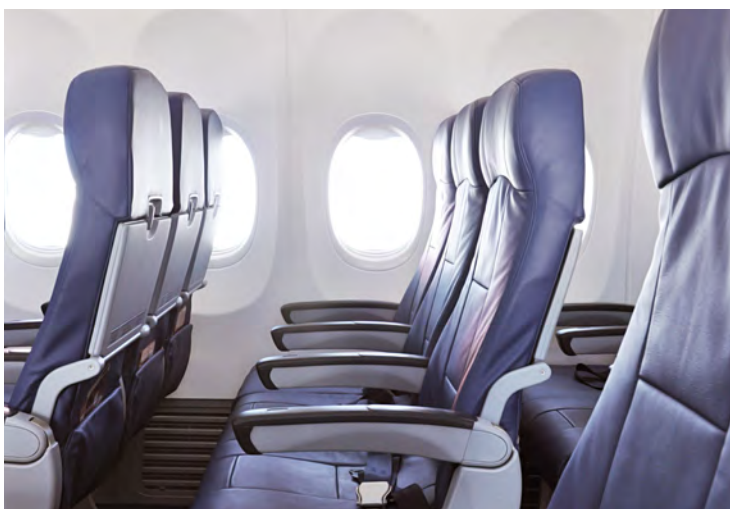






Advanced Materials: Polymers and Additives



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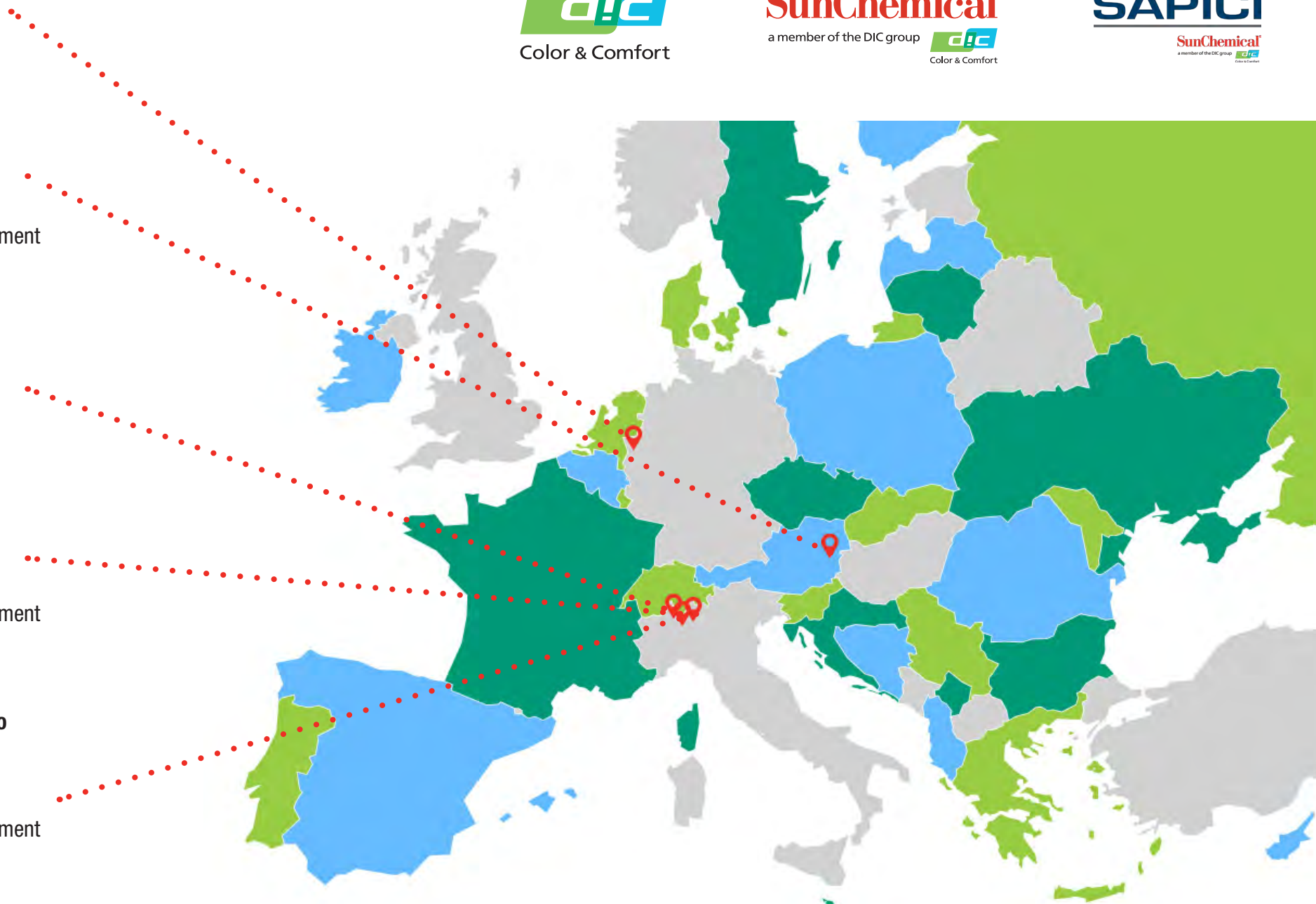
Cologne
Commercial offices

Vienna
Commercial offices
Production plants
Warehouse
Quality Control
Research and Development
Technical service

Caronno Pertusella
Commercial offices

San Cipriano Po
Production plants
Warehouse
Quality Control
Research and Development

Cernusco Sul Naviglio
Production plants
Warehouse
Quality Control
Research and Development
Technical service



	Product	Type	Application	Main Feature
BURNOCK Solvent-borne acrylic resins for high performance coatings, direct adhesion to plastics and other substrates, for industrial and automotive applications	AC-1218	OH functional Acrylic, 30% NV	2K single layer on plastics	Metallic pigment orientation
	AC-1612	OH functional Acrylic, 55% NV	2K single layer on plastics	High gloss, metallic pigment orientation
	AC-1835	OH functional Acrylic, 45% NV	1K primer/basecoat	Universal adhesion
	AC-8820	OH functional Acrylic, 50% NV	2K single layer on plastics	Fast drying, low hardener demand
	AC-1651	CPO modified Acrylic, 45% NV	1K primer/basecoat on plastics	Direct adhesion on polypropylene and TPO substrates
	AC-3390	OH functional Acrylic, 60% NV	2K topcoat / single layer on plastics	Self-healing properties, high gloss
WATERSOL and BLUECRYL Waterborne pure acrylic emulsions for high performance industrial and automotive coatings on various substrates	AC-3080	OH functional Acrylic, 45% NV	2K single layer	Universal adhesion, high chemical resistances
	AC-7000	OH functional Acrylic, 45% NV	2K single layer on plastics	Adhesion to various plastics
	AC-7506	OH functional Acrylic, 45% NV	2K single layer on plastics	Adhesion to plastic, highest chemical resistance
	233	OH functional Acrylic, 46% NV	2K topcoat for flooring and heavy duty	Flexibility, chemical resistance
	242	OH functional Acrylic, 46% NV	2K topcoat for wood and metals	Hardness, flexibility, chemical resistance
FINEPLUS Unique acrylic powders with glycidyl functionality used for automotive aluminium wheel coatings and as effective matting agents for polyester powder coatings	AC-2540	GMA Acrylic Copolymer, solid	Acrylic powder coating	Durability, flow and levelling
	AC-2555	GMA Acrylic Copolymer, solid	Acrylic powder coating	Stain and chemical resistance
	AC-2810	GMA Acrylic Copolymer, solid	Acrylic powder coating	Durability, flow
	AC-2440	GMA Acrylic Copolymer, solid	Acrylic powder coating	High heat stability
	AC-2490	GMA Acrylic Copolymer, solid	Crosslinking of Polyester powder coating	Matting, gloss control
BLUEPUR Polyurethane dispersions for 1K and 2K coatings	2937	Aliphatic polyester PUD, self crosslinking	Parquet & furniture coating	Hardness
	3037	Aliphatic polyester PUD, self crosslinking	Wood coating	Hardness, flexibility
	3070	Aliphatic polyester PUD	1K and 2K wood coating	Hardness, flexibility, compatibility with hardeners
	3080	Aliphatic polyester PUD	Textile coating	Flexibility, adhesion, compatibility with other WB resins
	T52	Aliphatic polyester PUD	Textile & leather coating - roofing	Elastomeric, hydrolysis resistance, low water uptake



	Product	Type	Application	Main feature
POLURGREEN Solventborne aromatic and mixed polyisocyanates as hardeners for coatings, adhesives and printing inks	60T 01	TDI adduct, 60% NV	Hardener for 2K coating and adhesive	Pot-life, fullness, reactivity
	AD 01	TDI adduct, 75% NV	Hardener for 2K coating and adhesive	Pot-life, flexibility, high gloss effect
	IR 01	TDI trimer, 50% NV	Hardener for 2K coating and adhesive	Reactivity, hardness, deep matt effect
	IR 7050 BA 01	TDI trimer, 50% NV	Hardener for 2K coating and adhesive	Reactivity, pot-life balance, compatibility
	SB 50 BA 01	TDI trimer, 50% NV	Hardener for 2K coating and adhesive	Reactivity, pot-life balance
	OK HD 01	TDI/HDI trimer, 60% NV	Hardener for 2K coating and adhesive	Reactivity, pot-life balance, fullness, colour retention
	OK 01	TDI/HDI trimer, 60% NV	Hardener for 2K coating and adhesive	Reactivity, fullness, colour retention
	FP 75 01	TDI adduct, 75% NV	Hardener for 2K adhesive	Chemical and heat resistance, FDA compliant
POLURGREEN MT Solventborne aliphatic polyisocyanate trimers as hardeners for coatings and adhesives	MT 75 01	HDI trimer, 75% NV	Hardener for 2K PUR coating	Ready to use
	MT 90 01	HDI trimer, 90% NV	Hardener for 2K PUR coating	Easy to handle
	MT 100 01 Series	HDI trimers, 100% NV	Hardeners for 2K PUR coating	Solvent free, low to high viscosity
POLURENE Solventborne aliphatic polyisocyanates as hardeners for coatings and adhesives	T 70	IPDI trimer, 70% NV	Hardener for 2K PUR coating	Hardness, fast film forming, adhesion
	M 75	HDI biuret, 75% NV	Hardener for 2K PUR coating	Flexibility, compatibility, adhesion
HYDRORENE and BURNOCK Hydrodispersible polyisocyanates for waterborne coatings and adhesives	AW 1 01	HDI trimer, 100% NV	Hardener for 2K PUR coating	Light stable, matt to glossy effect
	AW 4 01	HDI trimer, 100% NV	Hardener for 2K PUR coating	Light stable, low viscosity, high NCO
	AW 65 01	HDI trimer, 65% NV	Hardener for 2K PUR coating	Light stable, ready to use, high compatibility
	PU-8985	Core-Shell HDI trimer, 80% NV	Hardener for 2K PUR coating	Easy dispersable and long pot-life in water
POLURENE BK and BURNOCK Solventborne and solvent free blocked polyisocyanates for stoving coatings and adhesive application	BK 1175	HDI, MEKO blocked, 75% NV	Hardener for stoving coating	Non yellowing, flexibility
	BK 5250	TDI, Pentanon blocked, 50% NV	Hardener for stoving coating	Heat resistance, high mechanical strength
	DB-1000K	Blocked Isocyanate, 100% NV	Crosslinker for Epoxy adhesive	Excellent mechanical properties
POLURGREEN LP Solvent free blocked polyisocyanates for adhesive and sealant application	LP 100 LH	TDI, Cardanol blocked, 100% NV	Reactive plasticizer for 2K adhesives	Compatible with epoxy resins, low hazard
	LP 100 LV	TDI, Cardanol blocked, 100% NV	Reactive plasticizer for 2K adhesives	Compatible with epoxy resins, low viscosity

Polurgreen 01 grades comply with REACH restrictions for diisocyanate monomers

5 Polyisocyanate Prepolymers

	Product	Type	Application	Main Feature
POLURGREEN MC Solventborne polyisocyanate prepolymers for moisture curing coatings	MC 6760 MPAX 01	TDI prepolymer, 60% NV	1K topcoat application	Reactivity, abrasion and chemical resistance
	MC 5860 MPAX 01	TDI prepolymer, 60% NV	1K topcoat application	Reactivity, abrasion and chemical resistance
	MC 1180 MPA 01	HDI prepolymer, 80% NV	1K gloss topcoat	Reactivity, abrasion resistance, lightfastness resistance
POLURGREEN PRP Solvent free aromatic and aliphatic polyisocyanate prepolymers for coatings, adhesives, sealants, membranes, foams and casts	PRP 450 01	TDI prepolymer, 100% NV	1K & 2K adhesive and cast	Elongation, hydrolysis resistance
	PRP 750 01	TDI prepolymer, 100% NV	1K & 2K adhesive and cast	Adhesion, flexibility
	PRP 940 01	TDI prepolymer, 100% NV	1K & 2K adhesive and cast	Tensile strength, flexibility
	PRP 5500 01	TDI prepolymer, 100% NV	2K adhesive and cast	Hydrolysis resistance
	PRP F 930 01	TDI prepolymer, 100% NV	1K adhesive and foam	Moisture curing, high viscosity
	PRP 6050	MDI prepolymer, 100% NV	1K & 2K adhesive	Adhesion, flexibility
	PRP 800 01	HDI prepolymer, 100% NV	2K adhesive & coating	High flexibility, high strength, lightfastness resistance
	PRP 4041 01	HDI prepolymer, 100% NV	2K adhesive & coating	Flexibility, long pot-life, lightfastness resistance
POLURCAST Polyisocyanate prepolymers for casting applications	PET 01 Series	TDI prepolymers, PET extended, 100% NV	Casting material	Various hardnesses, high elongation
	PE 01 Series	TDI prepolymers, PE extended, 100% NV	Casting material	Various hardnesses, high modulus
POLURENE Solventborne and solvent free aromatic polyisocyanate prepolymers for coatings, adhesives, sealants, and membranes	MD 50 EA	MDI prepolymer, 50% NV	1K & 2K sealer for MDF and tropical woods	Reactivity, sanding properties, sealing
	LPI 3719	MDI prepolymer, 68% NV	1K adhesive and sealant	Adhesion, flexibility
	LPI 2320	MDI prepolymer, 100% NV	1K adhesive and sealant	Flexible, moisture curing
	LPI 34 NT	MDI prepolymer, 100% NV	1K adhesive for wood	Moisture curing
	M 621	MDI prepolymer, 100% NV	1K primer, adhesive and sealant	Hard, flexible, moisture curing
	MD 1600	MDI polyisocyanate, 100% NV	2K solvent free system	Low viscosity, high reactivity

Polurgreen 01 grades comply with REACH restrictions for diisocyanate monomers



	Product	Type	Application	Main feature
BURNOCK Solvent-borne polyurethane resins for high performance printing inks used for flexible packaging	PU-4201	Aliphatic PUR, 30% NV	Printing inks on film (PET, BOPP, OPA)	Mono-solvent flexo/gravure inks, hot steam resistance
	PU-4210	Semi-aliphatic PUR, 57% NV	Printing inks on film (PET, BOPP, OPA)	Suitable for surface and lamination printing inks
	PU-4260	Aliphatic PUR, 60% NV	Printing inks on film (PET, BOPP, OPA)	Excellent re-solubility on the press
	PU-4285	Aliphatic PUR, 55% NV	Printing inks on film (PET, BOPP, OPA)	For high opaque laminating inks
WATERSOL and HYDRAN Waterbased polyurethane resins with excellent adhesion and high resistance for various primers and coatings	PU-3110	Polyester PUD, 45% NV	PVC, aluminium film etc.	Universal adhesion
	AP-201	Polyester PUD, 23% NV	Food contact film (BOPP, PET)	Flexible and tough film, high water resistance
	AP-40F	Polyester PUD, 23% NV	PET film	Excellent adhesion to PET
	AP-301	Polyester PUD, 40% NV	UV printable film	Excellent adhesion to UV inks
	CP-Series	Cationic Polyester PUD, 25% NV	Thin anticorrosion layer	High durability and flexibility, excellent adhesion to metal
	HW-178	Anionic Polyester PUD, 35% NV	Thin anticorrosion layer	High durability and hardness, excellent adhesion to metal
HYDRAN Polyurethane dispersions for artificial leather applications provide peel strength, texture, permeability and adhesion to base fabrics	WLS SG Series	Aliphatic Polycarbonate PUDs	Skin layer	Silicon grafted for excellent abrasion resistance
	WLS-286BP	Aliphatic Polycarbonate PUD, 28% NV	Skin layer	Sustainability and excellent flexibility
	WLA-515AR	Aromatic Polyether / PC PUD, 44% NV	Adhesion layer	Strong adhesion for dry lamination
	WLA-195AR	Aromatic Polyether PUD, 56% NV	Adhesion layer	1K, hot-melt-adhesion performance
	WLI-610BP	Aliphatic Polycarbonate PUD, 34% NV	Coagulation layer	Bio-based, excellent hydrolysis and light resistance
VONDIC and HYDRAN Polymer dispersion and emulsions for fibre sizing applications	V1970NE	Polyether PUD, 45% NV	Glass fibre sizing	High heat resistance, high elongation
	V1980NE	Polyester PUD, 45% NV	Glass fibre sizing	High heat resistance, medium elongation
	GF-105	Vinyl Ester emulsion, 25% NV	Carbon fibre sizing	Low fuzz, high mechanical properties
	CF-025	Epoxy emulsion, 27% NV	Carbon fibre sizing	Low fuzz, high flexibility



	Product	Type	Description	Main feature
UCOPOL OL Solventborne urethane oils and urethane modified alkyd resins for various wood and metal coatings	OL 17 60WD	aromatic urethane, soya/linseed oil, 60% NV	Wood and metal coating	Flexibility, high gloss
	OL 18 50X	aromatic urethane, soya/linseed oil, 50% NV	Wood coating	Matt, fast sanding
	OL W 41 55 WD	aliphatic urethane, special alkyd, 55% NV	Wood and metal coating	Non yellowing, fullness
	OL 181	aromatic urethane, linseed oil, 100% NV	Wood impregnant and pigmented paste	Flexibility, compatibility
REXIN Solventborne alkyd and polyester resins for coating and adhesive applications	C760	short oil alkyd resin, 60% NV	2K sealer and topcoat for wood	Hard-flexible, easy to sand
	590 70 BA	short oil alkyd resin, 70% NV	2K topcoat for wood	Hard-flexible, high transparency
	HG 70	short oil alkyd resin, 70% NV	2K gloss topcoat for wood	High gloss
	DP 127	short oil special alkyd, 70% NV	2K gloss topcoat for wood and metal	Pigment wetting, hardness
	2268	short oil special alkyd, 80% NV	2K coating for outdoor, pigmented paste	Light fastness, compatibility, gloss, adhesion
	HSP 05100	short oil alkyd resin, 100% NV	2K coating and adhesive	Flexibility, high chemical and outdoor resistance
	HSP 50	long oil, castor, 100% NV	2K self leveling coating and adhesive	Flexibility, low viscosity
	HSP 411	polyester, 100% NV	2K and stoving coating	Hardness, chemical resistance
	HSP 412	polyester, 100% NV	2K and stoving coating	Flexibility
BURNOCK and WATERSOL Modified resins designed especially for metal substrates	EP-9547	Urethane modified Epoxy, 60% NV	2K heavy duty primer	Improved mechanical properties
	HY-3350	Latex modified Epoxyester, 43% NV	Air/forced drying dip coating	Excellent sag resistance
	EP-5501	Acrylic modified Epoxyester, 80% NV	Air/forced drying and stoving enamel	Fast drying
	PE-2101	Polyester Polyol, branched, 80% NV	Adhesion promoter for coil coatings	Excellent adhesion
	PE-2133	Polyester Polyol, branched, 80% NV	Flexibilizing additive for coatings	Compatibility, high flexibility



	Product	Type	Application	Main feature
EPICLON Epoxy resins for high-performance composites applications like aerospace, automotive, etc.	HP-4032SS	Naphthalene type Epoxy	Difunctional, low viscosity	High modulus, high strength
	HP-4770	Naphthalene type Epoxy	Difunctional, medium viscosity	Excellent balance of Tg and modulus
	HP-4710	Naphthalene type Epoxy	Tetrafunctional resin, high viscosity	Ultra high Tg
	HP-7250	Modified Novolac Epoxy	Multifunctional, low melt viscosity	High Tg, excellent hot/wet properties
EPICLON Epoxy resins for multiple E&E applications like semiconductor encapsulation, EMC, CCL, etc.	N-600 Series	o-Cresol Novolac Epoxy	Functionality from 4.3 to 7.6	High Tg, excellent curability
	N-700 Series	Phenol Novolac Epoxy	Functionality from 2.6 to 6.4	High Tg, high mechanical properties
	800 CRP&LV Series	Distilled BPA and/or BPF Epoxy	Very low viscosity	Ultra low total chlorine content
	HP-7200 Series	DCPD Epoxy	Multifunctional	Very low moisture absorption at high Tg
	HP-5000	Modified Novolac Epoxy	Low Dk / Df	Low flammability in halogen free systems
	EXA-4800 Series	Liquid high performance Epoxy	Unique flexible skeleton	High flexibility and toughness
PHENOLITE Novolac hardeners for epoxy systems in E&E applications	TD-Series	Phenol Novolac	High Tg system	High reactivity, low moisture absorption
	KA-Series	o-Cresol Novolac	High Tg system	High heat resistance, low moisture absorption
	VH-Series	Bisphenol-A Novolac	High Tg system	High mechanical strength
BURNOCK Phenolic resins for can and drum coatings	PH-6820	Phenol Resol, 60% NV	Hardener for Epoxy system	Excellent chemical resistance
	PH-1410	Phenol Resol, 60% NV	Hardener for Epoxy system	High flexibility, low reactivity
	PH-2891	Phenol Resol, 50% NV	Hardener for Epoxy system	Fast curing, broad compatibility



	Product	Type	Description	Main feature
FINEPLUS Polyester polyol resins for PU reactive hot melt adhesives used in automotive, furniture, textile and shoe industries	HM-1805	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	Amorphous, high Tg, improves adhesion on polar substrates, increases viscosity and green strength
	HM-1853	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	
	HM-2662	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	Semi-crystalline, low Tg, improves adhesion on non-polar substrates, increases flexibility and open time
	HM-2686	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	
	HM-3126	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	Crystalline, provides fast setting of adhesives, reduces melt viscosity
	HM-3107	Polyester Polyol, linear, difunctional	Reactive PUR HM adhesive	
POLURENADD Additives for Adhesive and Coating Formulations	BF5	Triethyl ortoformate	1K & 2K coating and adhesive	Moisture scavenger
	PTSI	PTSI	1K & 2K coating and adhesive	Moisture scavenger
	TPI 27 EA	TPTI, 27% NV	1K & 2K coating and adhesive	Adhesion promoter
	20X	Polyamide wax, 20% NV	1K & 2K coating and adhesive	Rheology modifier
BURNOCK Specialty adhesives and coatings for lamination applications	DS-1306	2K sb adhesive	Industrial laminates	Excellent adhesion to CPP film
	CA-022	2K sb adhesive	Photovoltaic backsheets	Excellent hydrolysis resistance, strong long time adhesion
	DS-1340	2K sb primer coat, clear	Photovoltaic backsheets	High heat and humidity resistance
	DS-1360	2K sb primer coat, white	Photovoltaic backsheets	High heat and humidity resistance, high reflection
DICNATE Cobalt free metal carboxylate driers for paints, coatings and inks	MV-130A	Ligand boosted Manganese drier	Alkyd paint, sb & wb	Excellent drying, VOC free
	MV-625A	Ligand boosted Manganese drier	Oxidative drying inks	High drying speed
	Mn8%ME	Manganese drier	Oxidative drying inks	Good cost performance
DAILUBE Lubricant EP additives based on sulphurised esters, fats and olefines for metal working fluids, greases and coolants	GS-440L	Olefin based EPA	MWF, active type, light colour	Excellent EP performance
	GS-330	Vegetable Oil / Olefin based EPA	MWF, inactive type, light colour	Stable low friction, soluble in Group III oils
	IS-30	Olefin based EPA	MFW, inactive type, light colour	High EP performance by moderate sulphur release



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