Sustainable raw materials

CASE, Composites & Construction

NORDMANN

Nordmanns commitment to sustainability comes from a sense of social and environmental responsibility in addition to economic concerns. We want to optimize the performance and use of products and supply chains in order to remain successful in the market.

As far as our product portfolio is concerned, we have already been marketing products from sustainable or renewable sources for some time now. This is also in response to a significant increase in demand for these types of raw materials.

We will continue to use our product and application knowledge to support customers in selecting raw materials and additives, provide advice on recycling and product shelf life, and do our part to promote greater sustainability as a distributor and intermediary in the industry network.

Let’s work together to build a bright and sustainable future.

Product name	Raw material type	Based on	Comparable to	% of bio-sourced Carbon (BCI)	Application/ special features	For waterborne formulations 2	Adhesives & Sealants	Coatings	Construction	Composites	Industrial	Lubricants	Polyurethane Foam	Polyurethane Elastomers	Others
Activator, dispergator, lubricant, filler															
Stearic Acid	Stearic acid	Tallow / vegetable			Various applications						•				
Auxiliary															
Dapro BEZ 75	Sulphonated castor wax	Castor wax		Up to 70%	Prevention of settling and sagging in air-dried alkyd, alkyd-melamine, acrylic, nitrocellulose, chlorinated rubber and epoxy coatings / swelling and wetting agent for various types of organoclay		•	•			•				•
Binder															
AROPOL PT	Terephtalic acid	Recycled material	Orthophtalic acid	22 % recycled material	Composites					•					
Biolin 100	Water-based alkyde emulsion	Linseed oil	Polybutadien	60%	Grout mortar / fast rain roof, low consumption	•			•						
CO_2nverge® 2012-112	Polypropylene carbonate	PPC, CO_2	Polyether / Polyesterpolyols		Partial replacement of Polyether, Polesterpolyols in CASE-applications / improvement of hydrolytic, UV-stability	•	•	•					•	•	•
CO_2nverge® 2520-56	PPC-Polyethercopolymer	PPC, CO_2	Polyether / Polyesterpolyols		Partial replacement of Polyether, Polesterpolyols in CASE-applications / improvement of hydrolytic, UV-stability	•	•	•					•	•	•
CO_2nverge® 351-30	PPC-Polyethercopolymer	PPC, CO_2	Polyether / Polyesterpolyols		Partial replacement of Polyether, Polesterpolyols in CASE-applications / improvement of hydrolytic, UV-stability	•	•	•					•	•	•
Necowel 4300	Water-based alkyde emulsion	Derizolenoil	Kationic stain blocker	35%	Stain blocking / amphoteric, compatible to other binder	•		•							
Necowel 5088/5286	Water-based alkyde emulsion	Derizolenoil	Alkydcoatings	35%	Industrial coatings / fast drying	•		•							
Necowel 580/585	Water-based alkyde emulsion	Sun flower oil	Alkydcoatings	20%	Industrial coatings / strong adhesion, excellent wetting	•									
Necowel FLE 55 M	Water-based copolymer emulsion	Linseed oil/ fish oil	Hybrid-emulsions	80%	Wood coatings, impregnations, teak Decks / colour enhancement	•		•							

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Binder / Intermediate															
CAPA	Polyol	e-caprolac-tone, L-Lactide	Polycaprolactone Polyols	Up to 25%	Adhesives, sealants / hydrolytic and UV stability	•	•	•					•	•	
Binder / Lubricant															
EBS	Stearic acid / Ethylene Diamine	Stearic acid/EDA			wire drawing, bitumen, lubricants				•		•	•			
Coalescent agent, Plasticizer															
DAPRO Bio 400	Levulinic ketal	Levulinic ketal	Glycol coalescence solvents	100%	w/b adhesives and sealants, coatings / produced from biomass, reduced VOC, non-flammable, label free	•	•	•			•				•
DAPRO FX 514	Coalescent, plasticizer	Propylen-glycol monolaurat	Dibenzoates		w/b adhesives and sealants / low VOC	•	•	•							
Hotmelts															
UNI-REZ™	Polyamide resin	Tall-Oil		up to 95%	Adhesives, sealants, others	•	•								
Hydrophobic agent															
Sodium Oleate S	Sodium oleate	Oleic acid		ca. 75%					•		•	•			
Zinc Stearate ™	Zinc stearate	Stearic acid		ca. 80%				•	•		•	•			
Intermediate															
Charmor™ Pro C40/C100	Bio based micronised pentaerythritol	Manure	Charmor™ for intumescent coatings	40-100%	synergistic flame retardant / intumescent			•							Plastics, Rubber
Curalite™ Ox Pro C20/C50	Bio based TMPO	Manure	Curalite™ Ox for cationiccuring	20-50%	reactive diluent in cationic curing systems / cationic curing		•	•	•						
Evyron™ CT15/CT60	Bio based CTF	Manure	CyclicTMP Formal (CTF)	15-60%	Building block for binder synthesis / reduction of carbon footprint	•	•	•							

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Intermediate															
Evyron™ DT20/DT50	Bio based Di-TMP	Manure	Di-TMP	20-50%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	
Evyron™ T20/T50	Bio based TMP	Manure	Trimethylolpropane (TMP)	20-50%	Building block for binder synthesis / Rreduction of carbon footprint	•	•	•				•	•	•	
Evyron™ TD20/TD50	Bio based polyol TD	Manure	PolyolTD	20-50%	Building block for binder synthesis / reduction of carbon footprint	•	•	•				•	•	•	
Holtac™ Pro H40/H100	Bio based micronised pentaerythritol	Manure	Holtac™ for leadfree PVC	40-100%	catalyst for lead free PVC	•									Plastics
Neeture™ N20/N40	Bio-based Neopentylglycol	Manure	Neopentylglycol (Neo)	20-40%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	
Voxtar™ D40/D100	Bio-based Pentaerythritol	Manure	Di-Penta	40-100%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	
Voxtar™ E40/E100	Bio-based Pentaerythritol	Manure	Penta Exceteq™	40-100%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	
Voxtar™ M40/M100	Bio-based Pentaerythritol	Manure	PentaerythritolMono (Penta)	40-100%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	
Voxtar™ PX30/PX100	Bio-based Pentaerythritol	Manure	PolyolPX	30-100%	Building block for binder synthesis / reduction of carbon footprint	•	•	•					•	•	Casting
Liquifier															
ULTRACINE / BORRESPERSE	Lignine sulfonates	Lignin		70%	Dry mortars / concrete	•			•						
Nonionic surfactant															
Steposol MET 10 U	N,N-Dimethyl 9 Decenamide		Hard cleaner / solvent replacement	75%	Cleaner for various applications / low VOC, excellent solvency, heat and hydrolytic stability						•				

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Pigment															
COMPOSTABLE	NC based solid pigment preparations („pigment chips“)	Nitro cellulose			solvent-borne inks for Heatset, Coldset, Sheetfed conventional and UV-Inks	•	•	•							
Polymers															
CirKular+™ ReNew	Styrenic block copolymers	Styrene, butadiene	Conventional styrenic blockcopolymers	up to 70%	Adhesives, sealants, coatings, plastics, recycling, others		•	•							•
Retarding agent															
Rochelle Salt	Potassium sodium tartrate	Tartaric acid		up to 70%					•		•				
Tartaric Acid	Tartaric acid	Tartaric acid		100%					•		•				
Rheology additive															
NORSTAR	Starch ether	Potato / corn starch		ca. 70%	Dry mortars	•	•		•						
POLYCOL	HP- Guar ether	Guar		ca. 70%	Dry Mortars / reduction of carbon footprint	•			•						
Thixatrol® AS 8024	Organic thixotropes	Diamide-based	Diamide waxes	94,7% (90,7% renewable ISO 16128)	Solvent-borne and solvent-free medium to higher polar liquid organic systems. The product is suitable as a thickener, thixotropic or anti-settling agent in paints and coatings, adhesives, sealants and putties. Low activation temp, sag control, prevent threat formation		•	•	•						
Thixatrol® AS 8053	Organic thixotropes	Diamide-based	Diamide waxes	78,3% (69,7% renewable ISO 16128)	Industrial coatings, adhesives, sealants / low activation temp, sag control, prevent threat formation / low activation temp, sag control, prevent threat formation		•	•	•						

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Rheology additive															
Thixatrol® GST	Organic thixotropes	Modified derivative of castor oil	Castor oil derivates	94,7% (90,7% renewable ISO 16128)	Industrial coatings, adhesives, sealants		•	•							
Thixatrol® MAX	Organic thixotropes	Diamide-based	Diamide waxes	86,8% (92,3% renewable ISO 16128)	Industrial coatings, adhesives, sealants		•	•							
Thixatrol® PLUS	Organic thixotropes	Diamide-based	Diamide waxes	57,1% (60% renewable ISO 16128)	Industrial coatings, adhesives, sealants / provides viscosity, thixotropy and sag control in high build systems		•	•							
Thixatrol® PM 8054	Organic thixotropes	Diamide-based	Diamide waxes	90% (84,5% renewable ISO 16128)	Industrial coatings, adhesives, sealants / low activation temp, sag control, prevent threat formation		•	•							
Thixatrol® PM 8056	Organic thixotropes	Diamide-based	Diamide waxes	81,8% (72% renewable ISO 16128)	Industrial coatings, adhesives, sealants / low activation temp, sag control, prevent threat formation		•	•							
Thixatrol® PM 8058	Organic thixotropes	Diamide-based	Diamide waxes	82,5% (74,8% renewable ISO 16128)	Industrial coatings, adhesives, sealants / low activation temp, sag control, prevent threat formation		•	•							
Thixatrol® ST	Organic thixotropes	Modified derivative of castor oil	Castor oil derivates	98,7% (97,7% renewable ISO 16128)	Aliphatic and aromatic solvent-borne and powder coatings		•	•	•						
Thixcin® R	Organic thixotropes	Modified derivative of castor oil	Castor oil derivates	100%	Industrial coatings, adhesives, sealants		•	•	•						

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Solvent															
ASTROBIO AP	Solvents	Bio-mass		45-55%	Special Cleaner for Polyester resins			•							
ASTROBIO BA	Solvents	Bio-mass	Butyl acetate	55-56%	Replacement of petrochemical solvents			•							
ASTROBIO BC	Solvents	Bio-mass	Butyl glycol	45-55%	Replacement of petrochemical solvents			•							
ASTROBIO CX	Solvents	Bio-mass	Cyclohexanone	75-85%	Replacement of petrochemical solvents			•							
ASTROBIO DS	Solvents	Bio-mass	Dibasic esters	55-65%	Replacement of petrochemical solvents			•							
ASTROBIO K1	Solvents	Bio-mass, fermentation process	Acetone	35-45%	Replacement of petrochemical solvents			•							
ASTROBIO K2	Solvents	Bio-mass	MEK	45-55%	Replacement of petrochemical solvents			•							
ASTROBIO K3	Solvents	Bio-mass	MIBK	60-70%	Replacement of petrochemical solvents			•							
ASTROBIO K4	Solvents	Bio-mass	Methyl amyl ketone		Replacement of petrochemical solvents			•							
ASTROBIO NS	Solvents	Bio-mass	NMP and NEP	50-60%	Replacement of petrochemical solvents			•							
ASTROBIO PA	Solvents	Bio-mass	Propylen glycol methyl ether acetate	50-60%	Replacement of petrochemical solvents			•							
ASTROBIO SD	Solvents	Bio-mass		50-60%	Multipurpose strong degreaser			•							
ASTROBIO TF	Solvents	Bio-mass	THF	35-45%	Replacement of petrochemical solvents			•							
ASTROBIO XT	Solvents	Bio-mass	Toluene, Xylene	45-55%	Replacement of petrochemical solvents			•							

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Solvent															
Hallcomid M-8-10 / M-10	Alkyl dimethylamides	Vegetable oils	Solvent replacement		Various / excellent solvency properties, low vapor pressure										
Steposol	Methylester	Coconut, rapseed, soya	Solvent replacement		Various / excellent freeze/thaw stability						•				
Solvent, lubricant															
Stepan 108	MCT	Vegetable oils	Co-solvent		Various						•	•			
Tackifier, Dispersions															
AQUATAC™	Tall-oil-rosin ester-dispersions	Tall-oil		Up to 97%	Adhesives, sealants, others	•	•								•
Tackifier															
REvolution™	Tall-oil-rosin ester	Tall-oil	Hydrocarbon resins, gum rosin esters	up to 97%	Adhesives, sealants, others / light colour, oxidation stable		•								•
SYLVALITE™	Tall-oil-rosin ester	Tall-oil	Hydrocarbon resins, gum rosin esters	up to 100%	Adhesives, sealants, others		•								•
SYLVATAC™	Tall-oil-rosin ester	Tall-oil	Hydrocarbon resins, gum rosin esters	up to 100%	Adhesives, sealants, others		•								•
SYLVARES™	Polyterpene / Terpene phenolics	Tall-oil	Hydrocarbon resins, gum rosin esters	up to 100%	Adhesives, sealants, others		•								•
UNI-TAC 70	Modified tall-oil-rosin ester	Tall-oil	Hydrocarbon resins, gum rosin esters	95%	Adhesives, sealants, others		•								•
Thickener															
Liovac 1110	Hydrogenated castor oil	Castor oil			Lubricants, plastics							•	•	•	

Nordmann Portfolio

- Agrochemicals
- Adhesives & Sealants
- Ceramics
- Cleaning
- Coatings & Inks
- Composites
- Construction
- Elastomers
- Electronics
- Fine Chemicals
- Flame Retardants
- Food & Feed
- Foundry
- Health Care
- Industrial Chemicals
- Monomers
- Oil, Gas & Lubricants
- Oleochemicals
- Polyurethane
- Optical
- Paper
- Personal Care
- Plastics
- Textiles & Leather

All the information and application knowledge presented here is based on practical experience and research. However, it is non-binding information. We therefore strongly recommend that you carry out your own tests before using our products. This applies in particular to our formulations, which only represent a starting point for individual developments and for which we can provide no guarantee.

The user alone is responsible for testing in the respective countries concerned and with regard to possible conflicting industrial property rights of third parties (e.g. patents). In this respect, we assume no liability for formulations or partial recipes. Our products are sold according to our General Conditions of Sale.

Advertising for dangerous substances

Dangerous substance as per Regulation (EC) No 1272/2008. This substance is classified and assigned in accordance with the requirements of the aforementioned ordinance. For further information on this substance, please refer to the safety data sheet.

Update: 07-2022

Our global network

Europe

Austria
Bulgaria
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Germany
Hungary
Italy
Sweden
Poland
Portugal
Romania
Serbia
Slovakia
Slovenia
Spain
Switzerland
Turkey
United Kingdom

North America

USA, Florida

Asia

China (rep office)
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