



Ecological polymers, improving life

INDUSTRIAL CATALOGUE



LEATHER RANGE

IMPREGNATIONS

	DESCRIPTION	pH DIN ISO 972	VISCOSITY (CPS)	BENEFITS
ECOPOLEDER-BASE	Anionic aqueous polyurethane-polyester dispersion at 40% solid content.	6.0 - 8.0	90.0 - 500.0	Genuine leather, excellent elasticity, superior handling and adhesive strength.
ECOPOLEDER-S-BASE	Aqueous anionic polyurethane-polyester dispersion with 40% solids content. Crosslinking promoted upon drying process.	6.5 - 8.5	90.0 - 500.0	Genuine leather, good elasticity, superior handling and specific leather binding.
ECOPOLEDER-D-BASE	Anionic aqueous polyurethane-polyester dispersion at 50% solid content	6.0 -8.0	150.0 - 800.0	High-resistance to hydrolisis, genuine leather, elasticity, superior handling and adhesive strength.
ECOPOLEDER-TRANS	Anionic aqueous polyurethane-polyester dispersion at 60% solid content. Also used in transfer processes.	7.0 - 9.0	800.0 - 1300.0	High solid content and reducing application percentage.
ECOPOLEDER-BT	Anionic aqueous polyurethane dispersion at 30% solid content. Crosslinking promoted upon drying process.	8.0 - 9.5	90.0 - 500.0	Increase the abrasion resistance, high hardness, specific leather binding, alkali resistance, water-proof properties and >40% biobased.

FINISHERS

	DESCRIPTION	pH DIN ISO 972	VISCOSITY (CPS)	BENEFITS
ECOPOLEDER-BT	Anionic aqueous polyurethane dispersion at 30% solid content. Crosslinking promoted upon drying process.	8.0 - 9.5	90.0 - 500.0	Increase the abrasion resistance, high hardness, specific leather binding, alkali resistance, water-proof properties and >40% biobased.
ECOPOLEDER-TOP	Cationic aqueous polyurethane dispersion at 30% solid content. Crosslinking promoted upon drying process.	4.0 - 6.0	<150.0	Increase the abrasion resistance, high hardness, specific leather binding, water-proof properties and >40% biobased.
ECOPOLEDER-S-TOP	Cationic aqueous polyurethane-silicone copolymer dispersion at 30% solid content. Crosslinking promoted upon drying process.	4.0 - 6.0	<150.0	Increase the abrasion resistance, high hardness, specific leather binding, enhanced, silky touch, water-proof properties and >40% biobased.
ECOPOLEDER-PC-TOP	Anionic aqueous polycarbonate-polyurethane copolymer dispersion at 35% solid content. Crosslinking promoted upon drying process.	6.5 - 8.5	<1000.0	Improves leather strength and durability, acts as a protective barrier against scratches, stains and general wear and tear. It is water resistant and >60% biobased.



TEXTILE RANGE

BASE COATS

	DESCRIPTION	pH DIN ISO 972	VISCOSITY (CPS)	BENEFITS
ECOPOLTEXT-40 V	Anionic aqueous polyurethane-polyester dispersion at 40% solid content.	6.0 - 8.0	90.0 - 500.0	Thickening effect and high elasticity.
ECOPOLTEXT-S40 V	Anionic aqueous polyurethane-polyester dispersion at 40% solid content. Textile reactive groups.	6.5 - 8.5	90.0 - 500.0	Thickening effect, good elasticity and specific crosslinking upon drying processes.
ECOPOLTEXT-60	Anionic aqueous polyurethane-polyester dispersion at 60% solid content.	7.0 - 9.0	800.0 - 1300.0	Thickening effect, high elasticity and high solid content.
ECOPOLTEXT-D	Anionic aqueous polyurethane-polyester dispersion at 50% solid content.	6.0 - 8.0	150.0 - 800.0	Binder, resistant to hydrolysis, high elasticity and good adhesion. Also used in inkjet/digital printing.

TOP COATS

	DESCRIPTION	pH DIN ISO 972	VISCOSITY (CPS)	BENEFITS
ECOPOLCOAT CCR 052-F	Self-crosslinking cationic aqueous polyurethane dispersion at 30% solid content.	4.0 - 6.0	< 100.0	Abrasion resistance, waterproof properties and >40% biobased.
ECOPOLCOAT CSS 052	Self-crosslinking cationic aqueous polyurethane-silicone copolymer dispersion at 30% solid content.	4.0 - 6.0	< 100.0	Abrasion resistance, superhydrophobic properties, silky touch, matte finish and >40% biobased.
ECOPOLCOAT CCR 30-F	Self-crosslinking anionic aqueous polyurethane dispersion at 30% solid content.	8.0 -9.5	90.0 - 500.0	Abrasion resistance, unaltered under alkaline conditions, waterproof properties and >40% biobased. Also used in inkjet/digital printing.
ECOPOLCOAT FF 052	Self-crosslinking cationic aqueous fluorinated-polyurethane dispersion at 30% solid content.	4.0 - 6.0	<150.0	Biodegradable fluor, increased abrasion resistance, superhydrophobic properties, oleophobic behavior and matte finish.
ECOPOLCOAT PC 30	Self-crosslinking anionic aqueous polycarbonate-polyurethane dispersion at 35% solid content.	6.5 - 8.5	<1000.0	Excellent abrasion resistance, waterpoff properties, hydrolysis resistance and >60% biobased.

TEXTILE MICROCAPSULES

	DESCRIPTION	BENEFITS	FORMULATION
ENCAPTIVA GREEN APPLE	Water-based dispersed microcapsules at 30% content of apple-like fragrance.	Freshly aromatic.	1.0 - 5.0 %
ENCAPTIVA LAVENDER	Water-based dispersed microcapsules at 30% content of Lavandino Abrialis essential oil. Biodegradable ISO 14851.	Antiparasitary, antibacterial, antifungal, deodorant, relaxing effect and > 95% biobased.	1.0 - 5.0 %
ENCAPTIVA TEA TREE	Water-based dispersed microcapsules at 32% content of Melaluca Alternifolia essential oil. Biodegradable ISO 14851.	Antiparasitary, antibacterial, antifungal and > 95% biobased.	1.0 - 5.0 %
ENCAPTIVA MENTHOL	Water-based dispersed microcapsules at 6% content of Mentha Arvensis extract.	Cooling effect, pain-reliever, antimicrobial and anxiety-reliever.	5.0 - 20.0 %
ENCAPTIVA MENTHOL PLUS	Water-based dispersed microcapsules at 15% content of Mentha Arvensis extract.	Cooling effect, pain-reliever, antimicrobial and anxiety-reliever.	1.0 - 10.0 %



LAUNDRY RANGE

SOFTENERS

	DESCRIPTION	BENEFITS	FORMULATION
ENCAPTIVA-BIO SUNSWREET	Water-based dispersion of biodegradable microcapsules loaded with > 25% of fragrance.	The product ensures high encapsulation stability of the fragrance providing a long-lasting effect and a great smell scent release. ENCAPTIVA-BIO SUNSWREET meets the requirements of Microplastics Regulations performing > 60% biodegradability over 28 days under the OECD's standards of Ready Biodegradability with a total degradation afterwards.	1.0 - 3.0 %



SELF CLEANING RANGE

ANTI-DIRT PRODUCTS

	DESCRIPTION	BENEFITS
ECOPOL LB-64	Self-crosslinking anionic solvent-based polyurethane at 30%* solid content for highly exposed materials to corrosion or erosion, such as aluminum (and other metals), high pressure laminates (HPL or laminated melamine), wood, glass.	Antigrafitti and antisoiling, cured at room temperature, hydrophobic and oleophobic colourless coating, high adhesion to inorganic surfaces, ink repellence, abrasion and dirt resistance.

*Customisable from 15% to 60% of solids content in MEK, butyl acetate or other solvents that may be of interest.



ADHESIVES RANGE

ADHESIVES

	DESCRIPTION	PROPERTIES	BEST APPLICATIONS	VISCOSITY (CPS)
ECOPUD-42-45	Anionic aqueous polyurethane-polyester dispersion at 45% solid content.	Heat-activated, resistant to hydrolysis. Non-cristalline.	Wet adhesion of textile substrates.	200.0 - 2000.0
ECOPUD-54	Anionic aqueous polyurethane-polyester dispersion at 50% solid content.	Heat-activated. Crystalline.	Shoes industry, automobile, furniture, cork, leather and textile. Special for PVC substrates.	100.0 - 1000.0
ECOPUD EW-10	Anionic aqueous polyurethane dispersion at 38% solid content.	Heat-activated. Sticky behavior.	Sealing for small paper/plastic bags. Wood, graphic arts and flexible lamination.	<1000.0



FOAMS & RESINS RANGE

SILICATE FOAMS & RESINS

	DESCRIPTION	PROPERTIES	BEST APPLICATIONS
ECOPOLDUR A+B	Two components (2K) resin of isocyanate-silicate.	Hardness and no expansive.	Anchoring material and consolidation and waterproofing of grounds.
ECOPOLFOAM BO-D A+B	Two components (2K) foam of isocyanate-silicate.	Improved compressibility, reacts in presence of water and water insolubility.	Elastic waterproofing of working and expansion joints, rapid filling of cracks and cavities in tunnels, specific for TBM tunnelation and soil consolidation.

	EXPANSION FACTOR at 25 °C	CREAMING TIME at 25 °C (s)	FLOW TIME at 25 °C	APPLICATION TEMPERATURE (°C)*
ECOPOLDUR A+B	1	-	75 - 150	15 - 25
ECOPOLFOAM BO-D A+B	13 - 17	15 - 21	30 - 40	15 - 25

*Depending on the application temperature, times and expansion factor may change.

POLYURETHANE FOAMS & RESINS

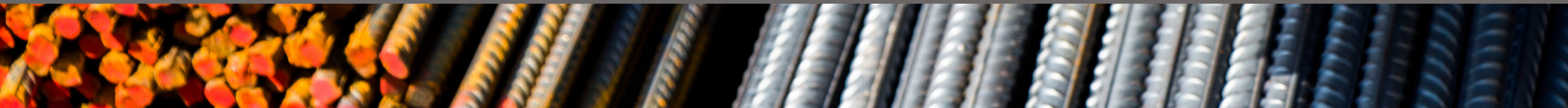
	DESCRIPTION	PROPERTIES	BEST APPLICATIONS
ECOPOLFOAM AB 23	Two components (2K) foam of isocyanate-polyalcohol.	Polyurethane-based resin and rigid foam.	Waterproofing of working and expansion joints, filling of cracks and cavities in tunnels and soil consolidation.

	EXPANSION FACTOR at 25 °C	CREAMING TIME at 25 °C (s)	FLOW TIME at 25 °C	APPLICATION TEMPERATURE (°C)*
ECOPOLFOAM AB 23	4 - 6	22 - 28	70 - 80	15 - 25

*Depending on the application temperature, times and expansion factor may change.



BUILDING RANGE



WALL WATERPROOFING & VARNISHES

	DESCRIPTION	PROPERTIES	VISCOSITY (CPS)	PH DIN ISO 972	SHORE A
ECOPOLBUILD 1	Anionic aqueous hybrid polyurethane-silane dispersion at 30% solid content.	Abrasion resistant and specific interaction against inorganic substrates.	90.0 - 500.0	8.0 - 9.5	88.0 - 90-0
ECOPOLBUILD 3	Cationic aqueous hybrid polyurethane-silane dispersion at 30% solid content.	Abrasion resistant and specific interaction against inorganic substrates.	< 100.0	4.0 - 6.0	86.0 - 88.0
ECOPOLBUILD 16	Anionic aqueous hybrid polycarbonate-polyurethane-silane dispersion at 35% solid content.	Abrasion resistant and specific interaction against inorganic substrates.	<1000.0	6.5 - 8.5	89.0 - 91.0



SOIL/GROUND RANGE

SOIL/GROUND BINDERS

	DESCRIPTION	BENEFITS	APPLICATION	VISCOSITY (CPS)	APPLICATION METHOD
ECOPOLFIX	Anionic aqueous acrylamide dispersion at 48% solid content.	Colourless, low residual tack, excellent water resistance and vapor permeability.	Binder of substrates, consolidation of sand, clay and granular soil. Dust suppressor.	< 200.0	Spraying or sprinkling
ECOPOLFIX-H	Anionic aqueous hybrid acrylamide-silane dispersion at 40% solid content.	Colourless, low tack, extraordinary hardness and excellent water resistance.	Binder and/or fixer for sand and gravel.	< 1000.0	Spraying or sprinkling
ECOPOLSEC	100% nanosilica.	High absorption capacity without gel formation.	For sludge drying.	-	Put it directly on the wet soil.

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