



**Ecological polymers, improving life**

# **INDUSTRIAL CATALOGUE**





# LEATHER RANGE



# IMPREGNATIONS

	<b>DESCRIPTION</b>	<b>pH DIN ISO 972</b>	<b>VISCOSITY (CPS)</b>	<b>BENEFITS</b>
<b>ECOPOLEDER-BASE</b>	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.
<b>ECOPOLEDER-S-BASE</b>	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.
<b>ECOPOLEDER-D-BASE</b>	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.
<b>ECOPOLEDER-TRANS</b>	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.
<b>ECOPOLEDER-BT</b>	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

	<b>DESCRIPTION</b>	<b>pH DIN ISO 972</b>	<b>VISCOSITY (CPS)</b>	<b>BENEFITS</b>
<b>ECOPOLEDER-BT</b>	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.
<b>ECOPOLEDER-TOP</b>	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.
<b>ECOPOLEDER-S-TOP</b>	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.





# TEXTILE RANGE



# BASE COATS

	<b>DESCRIPTION</b>	<b>pH DIN ISO 972</b>	<b>VISCOSITY (CPS)</b>	<b>BENEFITS</b>
<b>ECOPOLTEXT-40 V</b>	Anionic aqueous polyurethane-polyester dispersion at 40% solid content.	6.0 - 8.0	90.0 - 500.0	Thickening effect and high elasticity.
<b>ECOPOLTEXT-S40 V</b>	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.
<b>ECOPOLTEXT-60</b>	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.
<b>ECOPOLTEXT-D</b>	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

	<b>DESCRIPTION</b>	<b>pH DIN ISO 972</b>	<b>VISCOSITY (CPS)</b>	<b>BENEFITS</b>
<b>ECOPOLCOAT CCR 052-F</b>	Self-crosslinking cationic aqueous polyurethane dispersion at 30% solid content.	4.0 - 6.0	< 100.0	Abrasion resistance, waterproof properties and >40% biobased.
<b>ECOPOLCOAT CSS 052</b>	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.
<b>ECOPOLCOAT CCR 30-F</b>	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.
<b>ECOPOLCOAT FF 052</b>	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.
<b>ECOPOLCOAT FF 30</b>	Self-crosslinking anionic aqueous fluorinated-polyurethane dispersion at 30% solid content.	8.0 -9.5	<150.0	Biodegradable fluor, increased abrasion resistance, superhydrophobic properties, oleophobic behavior, unaltered under alkaline conditions and matte finish.



# TEXTILE MICROCAPSULES

	DESCRIPTION	BENEFITS	FORMULATION
<b>ENCAPTIVA GREEN APPLE</b>	Water-based dispersed microcapsules at 30% content of apple-like fragrance.	Freshly aromatic.	1.0 - 5.0 %
<b>ENCAPTIVA GINSENG</b>	Water-based dispersed microcapsules at 34% content of Panax Ginseng extract	Anti-fatigue, revitalizing, anti-stress, muscle relaxant and invigorating.	1.0 - 5.0 %
<b>ENCAPTIVA GINSENG WELLNESS</b>	Water-based dispersed microcapsules at 20% content of <i>Panax Ginseng</i> extract. Artificially odorized with a fragrance.	Anti-fatigue, revitalizing, anti-stress, muscle relaxant, invigorating and with a pleasant aroma added.	1.0 - 5.0 %
<b>ENCAPTIVA LAVENDER</b>	Water-based dispersed microcapsules at 30% content of Lavandino Abrialis essential oil. <b>Biodegradable ISO 14851.</b>	Antiparasitary, antibacterial, antifungal, deodorant, relaxing effect and > 95% biobased.	1.0 - 5.0 %
<b>ENCAPTIVA TEA TREE</b>	Water-based dispersed microcapsules at 32% content of Melaluca Alternifolia essential oil. <b>Biodegradable ISO 14851.</b>	Antiparasitary, antibacterial, antifungal and > 95% biobased.	1.0 - 5.0 %
<b>ENCAPTIVA MENTHOL</b>	Water-based dispersed microcapsules at 6% content of Mentha Arvensis extract.	Cooling effect, pain-reliever, antimicrobial and anxiety-reliever.	5.0 - 20.0 %
<b>ENCAPTIVA MENTHOL PLUS</b>	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



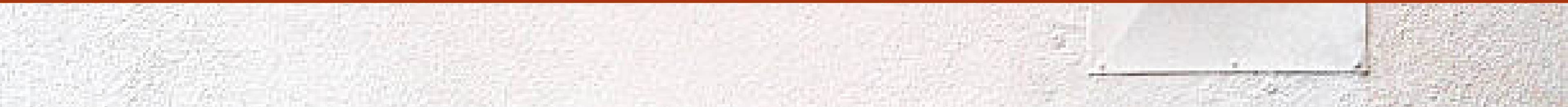
# SOFTENERS

	DESCRIPTION	BENEFITS	FORMULATION
<b>ENCAPTIVA-BIO SUNSWREET</b>	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 > <b>60% biodegradability</b> 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
<b>ECOPOL LB-64</b>	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

	<b>DESCRIPTION</b>	<b>PROPERTIES</b>	<b>BEST APPLICATIONS</b>	<b>VISCOSITY (CPS)</b>
<b>ECOPUD-42-45</b>	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
<b>ECOPUD-54</b>	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
<b>ECOPUD EW-10</b>	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
<b>ECOPOLDUR A+B</b>	Two components (2K) resin of isocyanate-silicate.	Hardness and no expansive.	Anchoring material and consolidation and waterproofing of grounds.
<b>ECOPOLFOAM BO-D A+B</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)*
<b>ECOPOLDUR A+B</b>	1	-	75 - 150	15 - 25
<b>ECOPOLFOAM BO-D A+B</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
<b>ECOPOLFOAM AB 23</b>	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.

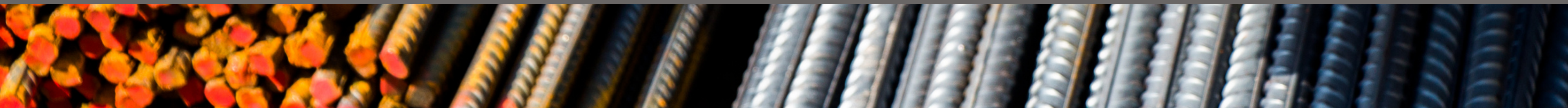
	EXPANSION FACTOR at 25 °C	CREAMING TIME at 25 °C (s)	FLOW TIME at 25 °C	APPLICATION TEMPERATURE (°C)*
<b>ECOPOLFOAM AB 23</b>	4 - 6	22 - 28	70 - 80	15 - 25

\*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
<b>ECOPOLBUILD 1</b>	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
<b>ECOPOLBUILD 3</b>	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





# SOIL/GROUND RANGE



# SOIL/GROUND BINDERS

	<b>DESCRIPTION</b>	<b>BENEFITS</b>	<b>APPLICATION</b>	<b>VISCOSITY (CPS)</b>	<b>APPLICATION METHOD</b>
<b>ECOPOLFIX</b>	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
<b>ECOPOLFIX-H</b>	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
<b>ECOPOLSEC</b>	100% nanosilica.	High absorption capacity without gel formation.	For sludge drying.	-	Put it directly on the wet soil.



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Please provide a brief explanation of your technical needs as well as your marketing plan for the next 6-12 months.

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