

PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
BIO-BASED POLYGON PC 2415 NEW	<p>Odorless, solvent and opalescent agent for DIY products varnishes, paints, printing inks and adhesives.</p> <p>Green substitute to conventional solvents.</p>	<ul style="list-style-type: none"> - odorless, 68.2% share of naturally renewable raw materials - solubilizers for e.g. waxes, oils, active ingredients, polymers, additives, stabilizers, antioxidants, ... - slows down “open-time” and film formation - supports “wet-on-wet” applications of paints - odorless replacement of e.g. butyl acetate, NMP, methacrylic acid, dipropylene glycol methyl ether, MEK or cycloaliphatic and aromatic solvents - miscible with water and at the same time with practically all organic substances groups, also with less polar to apolar substances

Dispersing and wetting agents for fillers and pigments

POLYGONAL DW-110	3-in-1 additive: dispersing agent, wetting agent and polyphosphate for highly loaded dispersion paints (for tinting systems).	VOC and SVOC-free. Stabilizes dispersion of inorganic pigments and fillers without increase in viscosity. Very low sedimentation. High colour strength and good hiding power. Can completely replace polyphosphates.
POLYGONAL DW-112	Higher phosphonate part, tends to be better as DW-110 for inorganic fillers and titan-dioxide (pure white systems)	

Additives for substrate-wetting in aqueous systems

POLYGONAL W-312	Good compatibility, silicone and VOC free wetting agent for aqueous lacquers on difficult plastic substrates like PVC	Improving wetting properties without lowering surface tension too much, very good compatibility to all water based polyacrylates and other coating systems, very good overcoating properties and corrosion protection of aqueous lacquers on metal surfaces.
POLYGONAL W-313 NEW	Universal, highly active, silicone-free wetting agent (non-ionic EO/PO surfactant) for aqueous lacquers. Foam inhibiting.	Improves wetting on non-polar or oily substrates and prevents foam stabilization. Shows good overcoatability and overprintability. Well compatible with most paint systems.

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Adhesion promoters for metals		
POLYGONAL A-251	Additive for adhesion promotion in aqueous systems on metal substrates such as iron, steel, and aluminium. Effective in alkaline systems.	Considerably improves corrosion protection. Product needs to be neutralized before use in water-based coatings. Free of amines and nitrites.
POLYGONAL A-252	Improvement of adhesion and corrosion protection with especially good wetting properties for water-based coatings, foam reduced.	Improves considerably adhesion, protect against corrosion. Good wetting properties, brings corrosion protection quickly and equally to the metal surface. Supporting the process of pigment dispersing, too. Need to be neutralized before use in water-based coatings. Without neutralization also suitable for solvent based coatings. Free of amines and nitrites.
POLYGONAL A-253	Improvement of adhesion and corrosion protection with especially good wetting properties for water-based coatings, strongly foam reduced	Improves considerably adhesion, protect against corrosion. Good wetting properties, brings corrosion protection quickly and equally to the metal surface. Often reduction of filiform corrosion. Need to be neutralized before use in water-based coatings. Without neutralization also suitable for solvent based coatings. Free of amines and nitrites.
POLYGONAL A-260	Additive for adhesion promotion in solvent based systems, but aqueous, too, on metal substrates such as iron, steel, and non-ferrous metals.	Considerably improves corrosion protection. Product needs to be neutralized before use in water-based coatings. If not neutralized, it is soluble in solvent based systems. Free of amines and nitrites.

Rice bran bio-wax

BIO-BASED POLYGONAL WAX BIO-E NEW	<p>Ethylene glycol ester of fatty acids with long carbon chains.</p> <p>Bio-sourced from rice bran and refined. Containing a natural bio-content of 95%. Non food-competing.</p> <p>For TPU & TPE, engineering plastics, paints, inks, coatings, leather finishing preparations, car polish, stationaries and more.</p>	<p>Highly efficient lubricant, release and dispersing agent with following benefits:</p> <ul style="list-style-type: none"> - excellent mould release performance - excellent compatibility, low precipitation - high thermal stability and low volatility - reduced melt viscosity and improved fluidity - white colour and low viscosity
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BIO-BASED POLYGONAL WAX BIO-EZ NEW	Micronized version of the POLYGONAL WAX BIO-E. Particle size D50: 8-11 µm	Highly efficient lubricant, release and dispersing agent with following benefits: <ul style="list-style-type: none"> - excellent mould release performance - excellent compatibility, low precipitation - high thermal stability and low volatility - reduced melt viscosity and improved fluidity - white colour and low viscosity
BIO-BASED POLYGONAL WAX BIO-OP NEW	Partially saponified wax based on rice bran wax, specially formulated for plastics applications. For TPU & TPE, engineering plastics, paints, inks, coatings, leather finishing preparations, car polish, stationaries and more.	Highly efficient lubricant, release and dispersing agent with following benefits: <ul style="list-style-type: none"> - excellent mould release performance - excellent compatibility, dispersion - high thermal stability and low volatility - reduced melt viscosity and improved fluidity
BIO-BASED POLYGONAL WAX BIO-OPZ NEW	Micronized version of the POLYGONAL WAX BIO-OP. Particle size D50: 8-11 µm	Highly efficient lubricant, release and dispersing agent with following benefits: <ul style="list-style-type: none"> - excellent mould release performance - excellent compatibility, dispersion - high thermal stability and low volatility - reduced melt viscosity and improved fluidity