



| PRODUCTNAME | APPLICATIONS | SPECIAL FEATURES |
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Dispersing and wetting agents for pigments and fillers

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| 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. |
| POLYGONAL DW-112 | Higher phosphonate part, tends to be better as DW-110 for inorganic fillers and titan-dioxide (pure white systems) | Can completely replace polyphosphates. |
| POLYGONAL DW-130 | Wetting and dispersing additive for organic pigment in dispersion paints. Very effective to increase of colour-strenght of PY 74-O, PY 83-O, PB 15:3, PR 254 2030 (DPP) and PY 19 (quindo violet). | |
| POLYGONAL DW-131 | Wetting and dispersing additive for organic pigment in dispersion paints. Very effective to increase of colour-strenght of PY 74-O, PY 83-O, PY 139, PY 155, PR 254 2030 (DPP), PV 19 (quindo violet) and PV 23 RL-spez. | Gives a fine dispersion of organic pigments (wih tou increase of viscosity) improves flow, paintability and increases the colour strength. |
| POLYGONAL DW-135 | Wetting and dispersing additive for carbon-black and organic pigment in dispersion paints. Very effective to increase of colour-strenght of PY 74-O, PY 83-O, PY 139, PY 155, PR 254 2030 (DPP), PR 122, PV 19 (quindo violet) and PV 23 RL-spez. | |



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Additives for substrate wetting in aqueous systems

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| 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. |

Adhesion promoters for metals

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| 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 specially 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 specially 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. |



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Antioxidant for Carbon Double-Bonds – NEW

POLYGONAL X-G
NEW

Chelates metal-ions (like Fe-II/Fe-III, Cu-II, Ni-II) which are catalyzing the oxidation of double-bonds (C=C) and prevents the unwanted jellification of UV-curable components or the oxidation of unsaturated compounds.

- Temperature resistant
- Dosage: 40 – 400ppm
- Protects UV-inks, UV-Injekt and 3D-UV-systems
- For waterbased and water-free systems

Green solvent substitute – NEW

POLYGON PC 2415
NEW

Varnishes, paints, printing inks and. Adhesives. Odorless Solvents and opalescent agents for DIY products

- 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.

UV-stabilizer (solvent based) - NEW

POLYGONAL HPT-400
NEW

High performance hydroxyphenyltriazine based UV-absorber for high-performance coatings, like:

- wood-coating for outdoor applications,
- automotive- and vehicle-coatings,
- industrial coatings for plastics and metals and
- construction-adhesives and sealants

Can be used in combination with HALS-stabilizers, like POLYGONAL LS-123, POLYGONAL LS-292 or with UV-absorber POLYGONAL UV-1130.

- contains approx. 15% methoxypropylalcohol
- high UV-absorption, also in the UV-B range
- light colour and low migration
- high photostability with long-term protective effect
- high thermal stability; also suitable for baking enamels
- not on the SVHC-candidate list (unlike some benzotriazoles)