ADDAPT Chemicals BV

Technical Data Sheet

VeoPox™ 2
Adhesion Promoters

Article number: VP20002
Verification date: 01/08/2024
Version: 2

Product description
Reactive hybrid precursor for direct-to-metal coatings and adhesive resin systems. It improves the adhesive and anti-corrosion properties of water- and solvent-based direct-to-metal coating systems. Significantly boosts the salt spray and condensation resistance of coatings.

Typical chemical and physical properties

Chemical nature	Fatty acid-phosphate modified bisphenol A epoxy resin with reactive functionalities.	
Appearance	Yellow/brownish liquid	
Active content	~100%	
Odour	Characteristic	
Density at 25°C	1,00 - 1,04	g/ml
Viscosity at 25°C	<30	Pa·s

This information is intended as a guideline only. For specifications please consult the Certificate of Analysis.

Application and treat level

Markets	Industrial coating UV curing industry Adhesives industry Emulsion polymerisation
Applications	Water- & solvent-based direct-to-metal coatings UV curing systems 1- & 2-component adhesives Emulsion polymerisation
Recommended dosage/usage	Direct-to-metal coatings ~2 – 5% wt on total formulation Hybrid Epoxy/(Meth)acrylic and Epoxy/Veocryl emulsions ~ 5 – 10% wt based on monomer Hybrid Epoxy/Alkyd - Solvent based and High Solid systems ~ 3 – 7% wt based on monomer 1- and 2-component Adhesives ~3 – 7% wt based on monomer UV-curing systems ~3 – 7% wt based on monomer

Key benefits

- Biobased -- APEO/NPEO free -

• Excellent adhesion promoter for metal substrates.
• Greatly increases anticorrosive properties and chemical resistance.
• When properly formulated anti-corrosive coating systems with 1440 hrs. salt fog resistance can be formulated making it excellently suitable for DTM-systems.
• Suitable for water-based and solvent-based systems.
• Can replace anti-corrosive pigments like zinc phosphates.
• Increases surface toughness.
• It allows formulation of Hybrid Epoxy/Acrylic Co-polymer dispersions via emulsion polymerisation.
• It allows formulation of Hybrid Epoxy/Alkyd systems, both solvent based and emulsion based.
• Mixes and reacts well with (Meth)acrylic esters via free radical or UVcuring.
• To achieve quick and through drying, use of a suitable drier (siccative) is advised in non-UV curing systems.
• Excellently suitable for 1- and 2-component adhesives for metal surfaces.
• It is a solvent free system with a reactive diluent.

Protect from UV/Sunlight!

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Safety and Handling	Please read Safety Data Sheet (SDS) before handling.
Product Specification	This information is available on request through our local representative.
Packaging	This information is available on request through our local representative.
Storage	The product should be stored at a temperature of no less than 10 °C and no more than 25 °C and away from light. For more safety details read the Safety Data Sheet (SDS)

Quality Policy

The objective of our quality policy is the continuous fulfillment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.

The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.

Liabilities

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.

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