

Typical chemical and physical properties

ADDAPT® ADDISP™ 500N is an excellent solvent-free dispersant for (mineral) pigments and fillers. It enables a high pigment loading at low viscosity.

ADDAPT® ADDISP™ 500N is a low- and narrow molecular weight polyacrylate dispersant having an ammonium cation.

Counter ion	Ammonium
Appearance	Clear, colourless to yellow liquid
Viscosity at 25 °C	<150 mPa·s
Density at 25 °C	1.16 – 1.20 g/cm ³
Solid content	37 – 40%
Mol. wt.	ca. 4500
Solubility Water	Miscible
Residual Monomer	<100 ppm acrylate

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

Applications and typical treat level recommended

Paint industry	Adhesives industry
Printing ink industry	Concrete industry
Paper coating industry	

Benefits

The addition of ADDAPT® ADDISP™ DISP 500N results in a high loading of mineral particles at a relatively low viscosity.

With inorganic pigments and/or fillers an amount between 0.2 – 1.0% of active material of ADDAPT® ADDISP™ 500N is recommended, whereas an active amount between 1.5 – 3.0% is recommended with organic pigments.

This results in a dosage of ADDISP™ 500N between 0.3 – 1.0% on total formulation.

ADDISP™ 500N is recommended for applications where sodium ions are undesired.

The very narrow molecular weight distribution of ADDISP™ 500N guarantees a high effectiveness in dispersing properties. This makes this ADDISP-grade highly suitable for highly filled wall paints, where high scrub resistance values can be achieved, but also as a concrete additive.

pH application range 4 – 13

ADDAPT[®] ADDISP[™] 500N

Safety and Handling	Please read Material Safety Data Sheet (MSDS) 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.

Quality Policy The objective of our quality policy is the continuous fulfilment 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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