

TECHNICAL DATA SHEET

ECODIS™ P 500 HR

Acrylic dispersant for water-based systems

Ionic Homopolymer dispersant

TYPICAL CHARACTERISTICS

Nature	Polyacrylate sodium salt
Appearance	Green limpid liquid
Solid Content (%)	40
Active Content (%)	40
pH	4.5
Specific gravity	1.28
Neutralization type	Sodium
Solvent	Water

DESCRIPTION

Rationalisation of raw materials and simplification of the process are important issues for the paint makers. The design of Ecodis™ P 500 HR fully complies with these new requirements. Ecodis™ P 500 HR is a high effective acrylic dispersant which suppresses the need for further polyphosphate addition in order to control the hardness of the water used for the formulation. Ecodis™ P 500 HR is recommended for water-based systems showing a high PVC (Pigment Volumic Concentration), such as matt dispersion paints, thick film coatings and fillers. Ecodis™ P 500 HR shows excellent dispersion performances towards natural and precipitated calcium carbonates. Using low concentrations of Ecodis™ P 500 HR, deflocculation process is facilitated, compatibility with most of the binders is optimised, storage stability and water resistance are improved.

RECOMMENDED ADDITION LEVEL

Its use generally between 0.1% and 0.3% (dry on total formulation weight), depending on the PVC, the solids to content of the formulation, and the nature of the solids to be dispersed. The dispersant demand can be determined by plotting the viscosities of the fillers and/or pigments dispersion in water, at the required solids content, against the concentration of dispersant. The optimum concentration is given by the point corresponding to the lowest viscosity.

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC • Bulk

HANDLING & STORAGE

It should be protected from the effects of weathering and stored between 5 and 40°C.

Once opened, packaging should be resealed immediately after use.

In these conditions, this product should be used within 12 months from delivery.

MARKETS

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- Textile & Leather Coating
- Traffic Paint

Adhesives & Sealants

- Sealants

KEY BENEFITS

FORMULATION

- Cost in use
- Easy handling
- Ready to use



STORAGE

- Antisettling
- Floating resistance
- Viscosity stability
- Syneresis resistance



FILM PROPERTIES

- Hiding power/Opacity
- Stain resistance
- Water resistance



SAFER SOLUTIONS

- APEO Free*
- Heavy Metal Free*
- Solvent Free*

* Not intentionally added but not specifically measured (not part of product specification)

PVC

PVC Low
PVC Mid
PVC High



SUITABLE FOR

Fillers
Inorganic pigments



ECODIS™ P 500 HR

PROCESSING INSTRUCTIONS

Ecodis™ P 500 HR is a ready-to-use liquid dispersant, to be used at grinding step, before the incorporation of the fillers, pigments and extenders. To be easily pumpable, Ecodis P 500 HR should be used about 20°C.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

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