

# ECODIS™ P 500 HR

Acrylic dispersant for water-based systems  
**Ionic Homopolymer dispersant**

## TYPICAL CHARACTERISTICS

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

## 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.

## 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.

## MARKET

### Coatings & Inks

- Architectural Coating
- Graphic Arts
- 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**



- **APEO free**
- **Bacteria resistance**
- **Heavy metal free**
- **Solvent-free**

**Yes**  
**Yes**  
**Yes**  
**Yes**

## PVC

PVC High  
PVC Mid



## SUITABLE FOR

Fillers  
Inorganic pigments

