

## TECHNICAL DATA SHEET

### ECODIS™ P 50

Dispersing agent for water-based systems

#### Ionic Homopolymer dispersant

#### TYPICAL CHARACTERISTICS

Nature	Polyacrylate sodium salt
Appearance	Blue-green aqueous solution
Solid Content (%)	40
Active Content (%)	40
pH	7.5
Specific gravity	1.29
Neutralization type	Sodium
Solvent	Water

#### DESCRIPTION

Ecodis™ P 50 is a sodium neutralized polyacrylate dispersing agent for water-based systems. It ensures the complete dispersion of extenders and inorganic pigments at high solids contents in systems showing medium to high PVC (Pigment Volume Concentration).

#### RECOMMENDED ADDITION LEVEL

The level of dispersant corresponding to the minimum viscosity is chosen. The required amount varies from 0.1% to 0.5% of active ingredients based on the total weight of the pigments and fillers. A more easy way is to start formulation trials using 0.4% to 0.5% of it, as delivered, on the total formulation weight. It is recommended to disperse the pigments in a pH range between 7.0 and 9.5.

#### STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC
- 220L Drum
- 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 50 should be preferably added to water before the pigment incorporation. The optimum level is determined for each pigment blend by plotting the graph of the viscosities of the pigment dispersion in water, versus the amount of dispersant.

#### MARKETS

##### Coatings & Inks

- Graphic Arts
- Architectural Coating
- Textile & Leather Coating
- Traffic Paint

##### Building & Construction

- Construction Materials

##### Adhesives & Sealants

- Assembly
- Sealants

#### KEY BENEFITS

##### FORMULATION

- Cost in use
- Compatibility
- Easy handling



##### STORAGE

- Antisettling
- Viscosity stability
- Floating resistance
- Syneresis resistance



##### FILM PROPERTIES

- Hiding power/Opacity
- Stain resistance



##### SAFER SOLUTIONS

- APEO Free\*
- Heavy Metal 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 50

## 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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