

## TECHNICAL DATA SHEET

# ECODIS™ 80

Dispersing agent for water-based systems

## Ionic Homopolymer dispersant

### TYPICAL CHARACTERISTICS

Nature	<b>Polyacrylate Ammonium Salt</b>
Appearance	<b>Yellow aqueous solution</b>
Solid Content (%)	<b>40</b>
Active Content (%)	<b>40</b>
pH	<b>7</b>
Specific gravity	<b>1.16</b>
Neutralization type	<b>Ammonium</b>
Solvent	<b>Water</b>

### DESCRIPTION

Ecodis™ 80 is an ammonium 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). Very versatile and suitable for titanium dioxide, Kaolin and calcium carbonates. Besides dispersion paints, the main applications for Ecodis™ 80 are in adhesives and wall paper pastes.

### RECOMMENDED ADDITION LEVEL

The required amount varies from 0.1% to 0.5% of active ingredients based on the total weight of paint formulations. It is recommended to disperse the pigments and fillers 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.

A small decrease in pH may be observed: it can be corrected by adding small quantities of ammonium hydroxide.

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

### PROCESSING INSTRUCTIONS

Ecodis™ 80 must be present during pigment and extender dispersion and should, therefore, be added before these products are blended in.

### 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
- Viscosity stability
- Floating resistance
- Syneresis resistance



#### FILM PROPERTIES

- Hiding power/Opacity
- Transparency
- Stain 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™ 80

## 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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