

TECHNICAL DATA SHEET

ECODIS™ PE 283

Dispersing agent for water-based systems

Ionic Homopolymer dispersant

TYPICAL CHARACTERISTICS

Nature	Polyacrylate sodium salt
Appearance	Pale yellow liquid
Solid Content (%)	50
Active Content (%)	50
pH	3,5
Specific gravity	1.21
Neutralization type	Sodium
Solvent	Water

DESCRIPTION

Polycarboxylic acid in aqueous solution

RECOMMENDED ADDITION LEVEL

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 Ecodis™ PE 283, 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

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™ PE 283 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. The level of dispersant corresponding to the minimum viscosity is chosen.

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.

MARKETS

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- Textile & Leather Coating
- Traffic Paint

Adhesives & Sealants

- Assembly
- Sealants

KEY BENEFITS

FORMULATION

- Cost in use
- Easy handling
- Ready to use



STORAGE

- Antisettling
- Floating resistance
- Syneresis resistance
- Viscosity stability



FILM PROPERTIES

- Hiding power/Opacity



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



Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80