



ECODIS™ P 30

Dispersing agent for
water-based systems

Dispersion paints are usually formulated with fillers or extenders, particularly the very fine calcium carbonates and clays now available. Their dispersion in water based systems must be achieved easily with common stirrers without forming agglomerates or causing a viscosity build up. Usual inorganic dispersants such as phosphate based dispersants are not able to solve this problem satisfactorily: their deflocculating effectiveness is limited by the fineness of the extenders used and their poor temperature stability (degradation through hydrolysis) affects the long term stability of paints.

ECODIS™ P 30 has been especially developed to overcome these problems. It ensures the complete dispersion of extenders and inorganic pigments at high solids contents in systems showing medium to high PVC (Pigment Volume Concentration).

• TYPICAL ANALYSIS

Nature: Polyacrylate sodium salt

Appearance (20°C): Yellowish aqueous solution

Solids content (%): 42

pH (20°C): 8

Specific gravity (20°C): 1.29

Compatibility: Compatible with most extenders, mineral pigments and polymer dispersions

• ADVANTAGES

- Liquid product ready to use, easy to handle
- Low level of addition
- High efficiency for dispersion of mineral pigments and extenders, and consequently low grinding time required
- Recommended for use in matt, eggshell and satin paints
- Very good stability of the manufactured products, in particular excellent viscosity stability
- Low foaming

• APPLICATIONS

ECODIS™ P 30 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. 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™ P 30**, as delivered, on the total formulation weight. It is recommended to disperse the pigments in a pH range between 7.0 and 9.5.

• STORAGE

ECODIS™ P 30 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, products should be used within 12 months after delivery.

• STANDARD PACKAGING

- 220 litres plastic drums
- 1 000 litres containers
- Bulk

• HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.

Website: www.coatex.com

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