



DeCAL 2046

Modified Polyacrylate Dispersant/Stabiliser for Coatings

Physical Properties:

Appearance:	colourless liquid
% Active Polymer:	30%-35%
Ionic Character:	Anionic
Density @ 20°C:	1.14g/cm ³
pH:	3.5-4.5

Applications:

DeCAL 2046 a novel multifunctional acrylic dispersing agent based on new technology – the grade is an ideal problem-solving dispersant and is compatible with a wide range of organic and inorganic fillers and pigments utilized in water borne systems.

(i) Decorative Paints, Inks and Coatings - DeCAL 2046 is an ideal dispersing agent for water borne high gloss coatings because it is compatible with polypropylene glycol and other glycols used to promote wet edge time and film coalescence. **DeCAL 2046** is effective at high temperatures above 100°C, and over a wide pH range.

(ii) Adhesives & Latex Compounds – DeCAL 2046 is used to disperse fillers and pigments in many products such as tile adhesives, grouts, fillers and water-based adhesives and glues.

The polyphosphate dispersants sometimes used in water borne systems are not as stable to pH changes as **DeCAL 2046** at high temperatures. **DeCAL 2046** offers much better stability and improved shelf life for water borne paints and coatings.

3. Incorporation:

DeCAL 2046 should be thoroughly mixed with water before adding pigments and fillers to the system using high shear mixers. Using this method very high pigment loading can be achieved. The optimum dispersing efficiency is achieved at a pH 8.5 or thereabouts. The dosage required is between 0.5% - 2.0% calculated as supplied on weight of pigments and fillers.

4. Safety & Handling:

DeCAL 2046 should be handled in accordance with good industrial practice. Detailed information is provided in the Material Safety Data Sheets.

We hope this information will be of value and if necessary, we will be glad to offer additional technical advice. Please note that all our information is given in good faith, we can assume no responsibility for any liability incurred. Data and results should be confirmed by the Buyer by testing the product under its intended conditions of use.