

## TECHNICAL DATA SHEET

# RHEALIS™ 2449

Dispersing agent

**Polyacrylate**

### TYPICAL CHARACTERISTICS

Nature	<b>Polycarboxylate in aqueous solution</b>
Appearance	<b>Yellowish aqueous solution</b>
Solid Content (%)	<b>42</b>
pH	<b>7.5</b>
Specific gravity	<b>1.315</b>

### DESCRIPTION

The dispersions of fillers or extenders, particularly iron oxide, very fine calcium carbonates and clays 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. Rhealis™ 2449 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).

### RECOMMENDED ADDITION LEVEL

0.1 to 0.5% in relation to weight of pigment and filler

### STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC

### HANDLING & STORAGE

The product can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure.

Once opened, packaging should be resealed immediately after use. Film-forming product. Surface may dry in contact with air. A slight sedimentation can be visible at the bottom of drums or totes. This phenomenon is normal and has no impact on the use and level of performance as long as the solids content of the product meets the specification. If necessary, filter the product prior to its use. In these conditions, this product should be used within 12 months from delivery.

### PROCESSING INSTRUCTIONS

It is recommended to disperse the pigment or filler in a pH range between 7.0 and 9.5

### MARKETS

#### Building & Construction

- Construction Materials
  - Concrete

### KEY BENEFITS

- Functionalit Dispersant  
y
- Foam control additives No
- Typical use High performance concrete  
Mortar Precast concrete  
Ready mix concrete Self  
compacting concrete

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## 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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