

# DeCAL

1000 Series - Alkali Swellable Thickeners

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## 1000 Series - Alkali Swellable Thickeners

The DeCAL 1000 Series is a range of synthetic alkali polyacrylate thickeners to give high viscosity non-stringing rheology for easy to apply formulations at alkaline pH.

### Products

#### DeCAL 1000 Gel Thickener for Spray-applied Coatings

DeCAL 1000 is a highly effective low shear thickener, greatly increasing viscosity and yield values which can be used in much lower quantities compared with other low shear thickeners.

##### Applications

DeCAL 1000 is recommended for use in flat paints, textured coatings, plasters and woodstains. It is easy to handle and can be incorporated at any manufacturing step. It is also ideally suited for use in industrial and household settings where it displays high thickening power, electrolyte tolerance, surfactant stability and water white clarity on neutralisation.

##### Benefits

- Ideal rheological control additive for water-borne adhesives and coatings.
- Imparts a thixotropic rheology, giving non-stringy formulations easily hand or machine applied over a wide range of speeds and/or processes.
- Less susceptible to microbiological attack than derivatives of cellulose. As a result, a lower level of biocide is needed, leading to a broader area of application.
- Convenient to add as a liquid post additive, either directly into the mix or diluted 1:1, offering flexibility in viscosity adjustment at the end of a batch.

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#### DeCAL 1011 Liquid Synthetic Thickener for

DeCAL 1011 is a synthetic alkali swellable, solvent for water-borne systems. It is highly effective to its viscosities as well as yield values.

##### Applications

DeCAL 1011 is recommended for use in flat paints plasters and wood stains. It is also ideally suited for institutional and household sectors where its high electrolyte tolerance, surfactant stability and water neutralisation are beneficial.

##### Benefits

- Ideal rheological control additive for water-borne
- Gives non stringy formulations which are easy of speeds and or processes.
- Less susceptible to microbiological attacks than
- Can be added as a post additive in liquid form.
- Effective in the pH range optimally 7.5-10.5.

DeCAL 1015 Thickening agent for Adhesive and Latex Compounds

DeCAL 1030 Thickener and Rheological Control

This product is activated in alkaline conditions by

**DeCAL 1015** is an acrylic copolymer emulsion in water. The polymer provides cost effective rheology modification particularly suitable in the application of adhesive and latex compounds.

**Application**

- DeCAL 1015 is an ideal rheological control additive for adhesives, carpet backing compounds and rubber dispersions.
- DeCAL 1015 provides easy viscosity control, enhanced stability with filled systems, and excellent machine runability properties.
- Addition levels of 1-3 % are typical and due to the grade being pH activated this must be maintained in the region of pH 7.0-9.5 for full and complete activation.

high molecular weight polymer to provide a thixotropic water-based adhesives and textured coatings.

**Applications:**

- Ideal rheological control additive for water-borne coatings.
- Imparts formulation with a thixotropic rheology formulations easily hand-or machine-applied at speeds and/or processes.
- Less susceptible to microbiological attack than other products. As a result, a lower level of biocide is needed, less application.
- Convenient to add as a post additive in liquid form. flexibility in viscosity adjustment from batch to batch. mixing equipment is available DeCAL 1030 can be mixed, diluted 1:1 or 1:2 with water.

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DeCAL 9090 and DeCAL 9095 offer a cost-effective alternative to lithium carbonate

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Devine Chemicals appoints new sales manager

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