

# DeCAL

4000 Series - Water-borne Acrylic Binders

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## 4000 Series - Water-borne Acrylic Binders

A range of high performance acrylic resins for water-based systems.

### Products

#### DeCAL 4002 – Thermosetting Acrylic Emulsions

DeCAL 4002, 4003 and 4005 are versatile high performance anionic self crosslinking polymers for the production of high performance finishes across a variety of industries.

The chemical nature of these polymers means that high temperature curing is required to achieve the maximum performance benefits. Treated substrates should be cured at 150°C for up to two minutes. The use of an acid catalyst such as p-toluene sulphonic acid can be used with DeCAL 4003 and 4005 to reduce the curing temperature and accelerate the curing response.

##### Applications

These products can be used to produce highly resistant finishes on surfaces including wood, paper board and PVC, and in the textiles industries to impart finishes with properties ranging from slightly crisp to very stiff with minimal chalking effect.

##### Benefits

- Compatible with most anionic and non-ionic textile and coating auxiliaries including antifoams, wetting agents, coalescing solvents and thickeners.
- In textiles, produces films with minimal effect on the colour of fabrics.
- Very resistant to washing and dry cleaning, with minimal chalking effect.
- Non-toxic.

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#### DeCAL 4003

DeCAL 4002, 4003 and 4005 are versatile high performance anionic self crosslinking polymers for the production of high performance finishes across a variety of industries.

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#### DeCAL 4005

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#### DeCAL 4030 – Cost Effective Aqueous Styrene Polymer

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DeCAL 4030 is a low-cost universal thermoplastic copolymer in emulsion form offering excellent bi and gloss.

### Applications

It is used in a wide range of applications including water-based paints, lacquers, adhesives and flexi

Films of DeCAL 4030 are clear, glossy, water resis which are to be cured/dried below the minimum temperature (MFFT) of the product will require a to be included in the final formula, to ensure pro

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

[Find out more](#)

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