

## DeCAL 9095

**Powder grade additive tailored for accelerating setting times and enhancing early strength in binder systems based on Portland cement combined with HAC or CSA cements.**

### **Description**

**DeCAL 9095** is a cost effective hydration accelerator, optimising set times and is compatible with all cement types.

**DeCAL 9095** is an additive blend which interacts to increase fast set times and high early strengths in Portland cement combined with either HAC or CSA cements.

**DeCAL 9095** provides a modern alternative to the use of high alkali salts such as lithium in accelerating set times and avoids surface imperfections inherent in older technology.

### **Mechanism of Action**

**DeCAL 9095** dramatically accelerates setting times and increases early strength, through faster activation of the hydration process in Portland, HAC and CSA cement phases. It is highly reactive with all types of hydraulic binders and all types of additives.

**DeCAL 9095** has a significant benefit over lithium accelerators as it reacts with the Portland, HAC and CSA elements of a cement mix. High alkali salt-based accelerators only react with the HAC and CSA elements.

**DeCAL 9095** is highly effective at both high low temperatures or where extremely high early strength is desired.

### **Applications**

**DeCAL 9095** is tailored specifically for fast setting cementitious systems where rapid fixing and laying is essential, such as:

- Fast setting cementitious products
- Tile adhesives and grouts
- Self levelling floor screeds
- Concrete repair systems

### **Recommended Dosage**

Whilst dosage is dependent on a range of factors including mix, process and material, users should consider the performance required in terms of set times and early strength.

Recommended dosage is therefore 0.15%-0.5% based on formulation weight. However, we recommend lab trials be carried out in order to determine optimum dosage levels.

**DeCAL 9095** should be added to the powder blender following the addition of sand and cement to ensure homogeneity.

### **Storage and Packaging**

**DeCAL 9095** is supplied in 20kg nett weight paper bags in palletised shrink-wrapped units.

**DeCAL 9095** should be stored in cool dry conditions. Unopened bags have a minimum shelf life of 24 months.

For technical service please refer directly to Devine Chemicals technical team.

### **Health and Safety**

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant Material Safety Data Sheet (MSDS).

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.

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