



Product Information Sheet

# REVOKEM RP4000

**Revokem RP4000** is a specially formulated, set retarding additive in fine powder form, designed to control open and set times in Self-Levelling Underlayments (SLU's) and HAC-rich mortars.

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# DESCRIPTION

Revokem RP4000 has been formulated to provide improved open and set time control for fast setting High Alumina Cement (HAC) based formulations.

Revokem RP4000 is a blend of specially selected organic acids, which have been processed to produce a fine, free flowing powder which allows for efficient dispersion in cementitious and gypsum based drymix mortar formulations.

Key benefits of Revokem RP4000 are:



**HIGHLY SOLUBLE**



**DESIGNED SPECIFICALLY FOR HAC BASED BINDERS**



**COST EFFECTIVE ALTERNATIVE TO TARTARIC ACID**



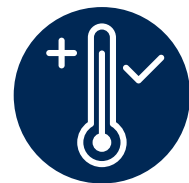
**FINE POWDERED ADDITIVE**



**IMPROVES DISPERSION**



**REDUCES POTENTIAL FOR SURFACE DEFECTS IN FINISHED PRODUCTS**



**IMPROVES PERFORMANCE IN HIGH TEMPERATURES**



# APPLICATIONS

Revokem RP4000 can be used to control and extend working, open and set times, when used in HAC based binder systems including SLU's, Rapid Set Repair Mortars and Screeds.

Revokem RP4000 can also be used during periods of high ambient temperatures, to prevent early setting or premature loss of open time.

Revokem RP4000 can be used on its own or together with Cemkem's comprehensive performance additive range\*

*\*See Lithkem, Kemplast, Expelair, Celopro and Cemkem SRA.*

# ADDITION RATES

The optimum dose is dependent on mix design, processes, and raw materials.

For typical drymix mortar applications:

- **0.1% - 0.3% by weight of formulation \***

*\* The optimum dose should be determined by completing appropriate laboratory trials.*

*N.B. beware of overdosing retarder as this could negatively affect final strengths*





# STORAGE

Revokem RP4000 should be kept dry and between 5°C and 30°C avoiding extremes of temperature and moisture. Avoid freezing and do not store in direct sunlight.

If stored correctly in sealed packaging, this product has a minimum shelf life of 12 months.

# PACKAGING

Revokem RP4000 is supplied in 25kg bags.

# HANDLING

Full MSDS available on request. H319: Causes serious eye irritation. Wear protective gloves/protective clothing/eye protection/face protection.

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## TECHNICAL DATA

**Composition**

Blend of organic acids

**Appearance**

Fine white powder

**Bulk Density (g/L)**

500 - 700

Cemkem is part of the Rakem Group. The Group specialises in the distribution of raw materials and formulated products to the coatings, construction and chemical industry.



**Chemical distributor to  
the coatings, plastics and  
inks sector**



**Confidential toll  
manufacturer of water-  
based products**



**Specialist distributor to  
the cement and  
horticulture sector**

With over 20 years experience within the construction industry, Cemkem's product portfolio has been formulated to enhance and improve construction products, with the aim to benefit the manufacturer, the customer and most importantly the end-user. The Group aims for consistent and constant development across all raw materials and finished products.