



Product information sheet

EXPELAIR DF3000

Expelair DF3000 is our most advanced powdered defoaming additive designed to reduce the development of unwanted entrapped air in a wide range of drymix mortar applications.

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DESCRIPTION

Expelair DF3000 is our specially formulated, ultimate performance powder defoamer with excellent solubility that has been designed to effectively remove unwanted entrapped air generated during processing, mixing and application of a wide range of high-performance drymix mortar applications.

Expelair DF3000 greatly improves workability whilst significantly increasing fresh density and mechanical strengths.

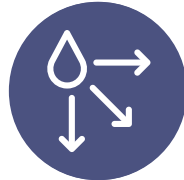
Expelair DF3000 provides improved durability, reduces surface defects and increases abrasion resistance.

BENEFITS

Key benefits of Expelair DF3000 are:



**SUPERIOR
DEFOAMING PROPERTIES**



**EXCELLENT SOLUBILITY AND
FAST DISSOLUTION RATES**



**EXCELLENT FLOW
AND WORKABILITY**



**HIGHER FINAL
STRENGTHS**



**SUPERIOR SURFACE
APPEARANCE**



**EXTREMELY EFFECTIVE AT
LOW ADDITION RATES**





APPLICATIONS

Expelair DF3000 is formulated to be used in multiple high-performance drymix mortar applications including self levelling underlayments, pumpable screeds and construction grouts.

Expelair DF3000 can be used on its own or together with Cemkems comprehensive drymix mortar additive range*

**See Lithkem, Revokem, Kemplast, Celopro and Cemkem SRA.*

ADDITION RATES

The optimum dosage will be dependent on mix design, processes, and raw materials.

For typical drymix mortar applications:

- **0.05% - 0.3% by weight of powder. ***

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



STORAGE

Expelair DF3000 should be kept dry and between 5°C and 30°C, avoiding extremes of temperature. Avoid freezing and do not store in direct sunlight.

If stored correctly in original packaging, this product has a minimum shelf life of 24 months.

PACKAGING

Expelair DF3000 is supplied in 25kg bags.

HANDLING

Full MSDS available on request. Avoid contact with skin and eyes. Protective goggles, gloves and dust masks should be worn at all times. The product is not classified, according to the CLP regulation.



TECHNICAL DATA

Appearance	White/off - white powder
Bulk Density (g/ml)	0.35 - 0.40
Particle Size	<400µm
Ash Content	<50%

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.