



Product information sheet

EXPELAIR DF1000

Expelair DF1000 is our cost effective, powdered defoaming additive designed to reduce the development of unwanted entrapped air in a wide range of drymix mortar applications.

Cemkem Ltd
Wellington Street
Bury BL8 2BD
United Kingdom
sales@cemkem.co.uk
+44 (0) 161 762 0044

DESCRIPTION

Expelair DF1000 is a specially formulated, cost effective powder defoamer with high solubility. It has been designed to efficiently remove unwanted entrapped air generated during processing, mixing and application of a wide range of drymix mortar formulations.

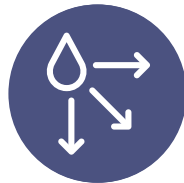
Expelair DF1000 produces higher fresh density, increased mechanical strengths and can reduce surface defects.

BENEFITS

Key benefits of Expelair DF1000 are:



**EFFECTIVE
DEFOAMING PROPERTIES**



**EXCELLENT SOLUBILITY
AND DISSOLUTION RATES**



**IMPROVED FLOW
AND WORKABILITY**



**HIGHER FINAL
STRENGTHS**



**IMPROVES SURFACE
APPEARANCE**



**COST
EFFECTIVE**





APPLICATIONS

Expelair DF1000 is formulated to be used in applications including self levelling underlayments, flowable screeds, grouts, tile adhesives, cementitious repair mortars, plasters and fillers.

Expelair DF1000 can be used on its own or together with Cemkem's 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:

- **0.1% - 0.3% by weight of powder. ***

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



STORAGE

Expelair DF1000 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 DF1000 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)	Approx. 0.6
Particle Size	<1mm
Ash Content	<45%

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 manufacture, the customer and most importantly the end-user. The Group aims for consistent and constant development across all raw materials and finished products.