



Product information sheet

# HYDROPEL

**Hydropel** is a specialist powder-based admixture designed to provide hydrophobic and efflorescence reducing properties in a wide range of render, grout and mortar applications.

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# DESCRIPTION

**Hydropel** is a specially formulated hydrophobic admixture that creates permanent pore blocking properties, resulting in reduced water absorption in hardened renders, grouts and mortars.

**Hyrdopel** reduces the potential for efflorescence and improves the long-term performance properties of the finished product, including; durability, strength and reduces the risk of delamination.

# BENEFITS

Key benefits of **Hydropel** are:



**REDUCES WATER  
UPTAKE**



**LIMITS  
EFFLORESCENCE**



**INCREASES LONG-TERM  
DURABILITY**



**MINIMISES RISK OF  
DELAMINATION**



**GOOD WETTING AND  
DISPERSION CAPACITY**



# APPLICATIONS

**Hydropel** has been designed to provide enhanced integral hydrophobic properties in a range of applications including; mortar, grout, render and external cementitious insulation systems.

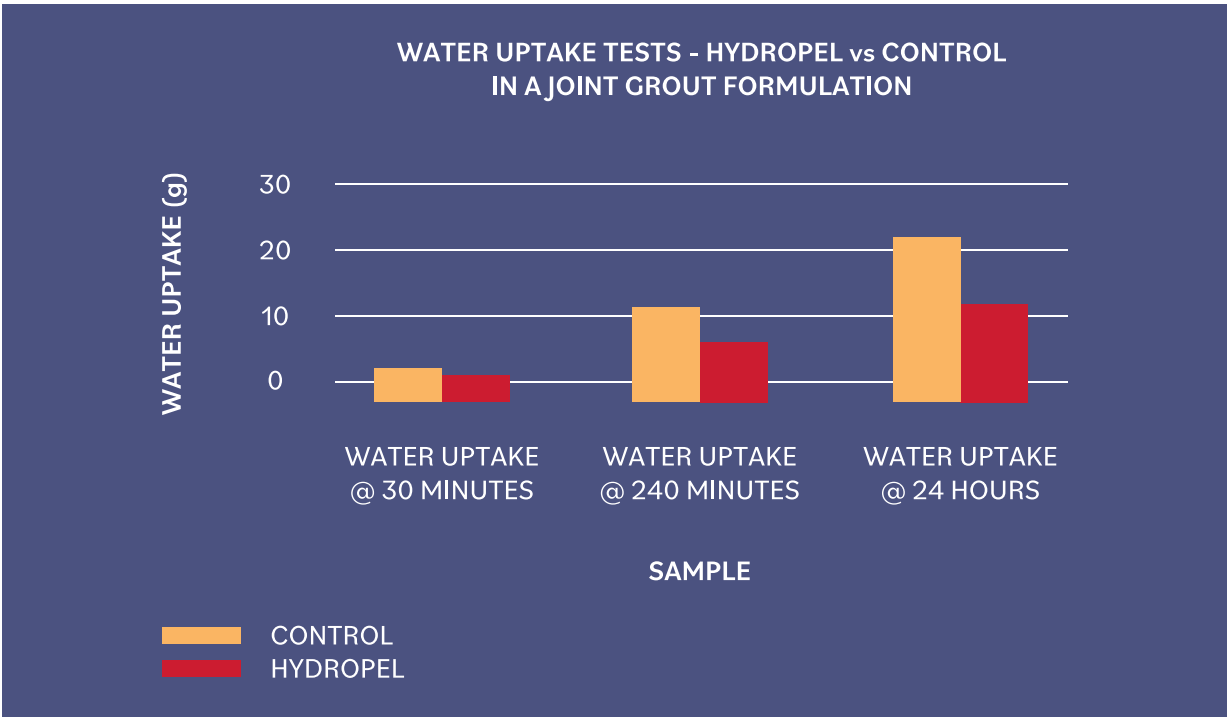
**Hydropel** can be used on its own or together with Cemkem's complete mortar admixture range.\*

*\*see Hydrokem and Airkem*

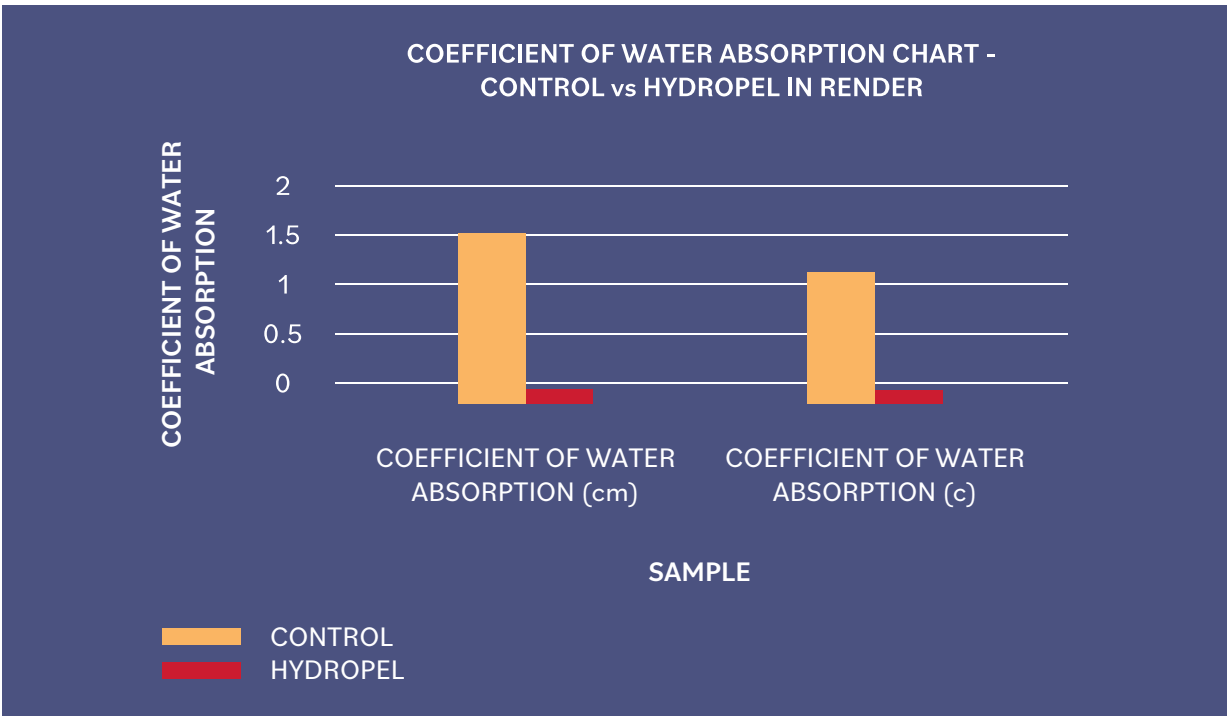


# PERFORMANCE

The following graphs show the performance of **Hydropel** when tested in grout and render formulations. All tests were carried out under standard laboratory conditions in accordance with BSEN 12808-5 and BSEN 1015-18.



*\*The use of Hydropel results in achieving a grout class of CG2W according to BSEN 13888 - Table 7.*



*\*The use of Hydropel results in achieving a grout class of W2 according BSEN 998 -1 Table - 1.*







# ADDITION RATES

The dosage rate will be dependent on the mix design, mixing processes, and raw materials.

For typical mortar applications:

- **0.3% - 1.0% by total weight of formulation.**

*\* The optimum dose should be determined by completing appropriate trials for specific site requirements.*

# STORAGE

**Hydropel** should be stored in cool, dry conditions. Protect from excessive heat. If stored correctly, in original packaging, this product has a minimum shelf life of 24 months.



# PACKAGING

**Hydropel** is supplied in a 25kg polythene lined, paper 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

### Composition

Blend of hydrophobic additives

### Appearance

Fine white powder

### Bulk Density (g/ml)

500 - 700

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



Chemical distributor to  
the coatings, plastics and  
inks sector



Confidential toll  
manufacturer of water-  
based products



**ENVIROKEM**

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.