

# ANTIFREEZE POWDER



## Antifreeze admixture for cement mortars



### ■ PROPERTIES

Cement accelerator in powder form added to ready mixed or traditional cement mortars, accelerating the development of their mechanical strengths at low temperatures.

All mortar applications should be carried out at temperatures above +5°C. It has been proven that when temperatures drop below +5°C and their cure is not complete, cement mortars degrade and get damaged and/or destroyed. ANTIFREEZE POWDER accelerates the activation of the cement contained in the cement mortars and helps to hydrate it quickly. It also reduces its setting and curing time, and prevents frost damage during maturation. The addition of ANTIFREEZE POWDER to every 25kg bag of cement mix or mortar prevents application failures due to temperature variations.

### ■ APPLICATIONS

Ideal for applications where fast project delivery is required and the applied concrete/mortar cures under difficult weather conditions (-5°C to +4°C). Fully compatible with all types of ready mixed and traditional mortars with normal cure times.

### ■ CONSUMPTION - USE

- For ready mixed mortars, the recommended consumption is one 500gr bag of ANTIFREEZE POWDER added directly to the mixing water for every 25kg bag of cement mortar, such as: adhesives for tiles, thermal insulation boards, base/scratch coat plasters, repair mortars etc.
- The recommended consumption of the product for all traditional cement mortars is 4 bags (2kg) of ANTIFREEZE POWDER to be added for every 50kg of cement so as to accelerate the curing time.

### ■ NOTES

- If possible, begin work early in the morning to take advantage of the increasing temperatures during the day.
- Both ready mixed and traditional mortars should be applied with temperatures greater than +5°C.
- If the mixing water to be used has a temperature greater than +10°C, it will assist the overall application.

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### ■ STORAGE

Store in dry places, for 24 months from production date.

### ■ SAFETY DIRECTIONS

The product is classified as irritant. It is recommended to keep away from the reach of children. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

### ■ PACKAGING

Carton box with 12pcs of 500gr each one

TECHNICAL SPECIFICATIONS	
■ Form - Color	Powder - White
■ Bulk density of dry mortar	1.15±0.05kg/lt
■ Principal action	Cement accelerator
■ The addition of ANTIFREEZE POWDER reduces pot life by 40-50%.	
■ The addition of ANTIFREEZE POWDER in concrete and cement mortars increases their overall mechanical strengths, per EN 196-1, by an average of:	<ul style="list-style-type: none"> <li>• ≥ 20% after 24 hours</li> <li>• ≥ 25% after 48 hours</li> <li>• ≥ 30% after 3 days</li> </ul>

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.