

ANTIGELO H.T.

Vers. 01 del 07/2009

Antifreeze admixture for quick-setting cement-based concrete, mortars and adhesives. By accelerating the rate of cement hydration, this admixture generates the heat needed to prevent the freezing of water in the mixture.



FIELDS OF USE

Formation, at a temperature as low as -10°C , of the following:

- Concrete castings, also reinforced.
- Cement-based mortars.
- Adhesives and sealers.

NATURE OF THE PRODUCT

ANTIGELO H.T. consists of a blend of hardening accelerators.

MIXING

Mix **ANTIGELO H.T.** with the other components of the mix, proportionally to the cement content (1-2 Kg to 100 Kg cement, i.e. 2%), until a homogeneous and lump-free mix is obtained. Allow to hydrate for 3 to 5 minutes, then stir again briefly and ensure that the product is homogeneous. The consistency and workability of the resulting compound should be the same as those of the original mix, prior to the addition of antifreeze agent.

TECHNICAL DATA

PRODUCT IDENTIFICATION

Appearance	Powder
Colour	White
Bulk density	0.85 Kg/dm ³
Solid residue	100%
Storage (in a dry place in its original packaging)	12 months
Customs Tariff Heading	3824 40 00

PERFORMANCE[°]

	VALUE*	STANDARD
Compressive strength after 7 days	21 N/mm ²	EN 196
Compressive strength after 28 days	32 N/mm ²	EN 196
Flexural strength after 7 days	3 N/mm ²	EN 196
Flexural strength after 28 days	7 N/mm ²	EN 196

* Results obtained at $+23^{\circ}\text{C}$ Temperature; 50% Relative Humidity; Ventilation ≤ 2 m/sec.

[°] Sample specifications: Plastic Mortar: CEM I 42,5 R. Antigelo H.T.: 1%.



ANTIGELO H.T.

TECHNICAL TIPS

- **ANTIGELO H.T.** does not require use of additional binders (such as cement, lime, gypsum and the like) or additives for the applications described herein.
- The components of the mix should be brought to a temperature of at least 5°C before the antifreeze admixture is added.
- Prepare the mix in the morning, in order to make the most of the temperature increase during the day.
- Use as little water as possible.
- Protect the surface in order to retain the heat that develops during hydration.
- Use the products with antifreeze admixture only while at the appropriate consistency. Once they begin to set, they become difficult to use and you will need to prepare a fresh mix.
- Do not use at temperatures below -10°C.

COVERAGE

ANTIGELO H.T. 1 to 2% to cement.

SPECIFICATION

Antifreeze admixture for preparing cement-based items at temperatures as low as -10°C, such as KEDIL's **ANTIGELO H.T.**

WARNINGS AND RECOMMENDATIONS



- Do not add **ANTIGELO H.T.** directly to the mixing water.
- Use only with products that contain quick-setting cements.
- Do not apply in ways or conditions other than those explicitly stated in this technical data sheet.

KEDIL recommends that you read the **Introductory Notes** that complete the information provided in this data sheet.

All technical information, data and suggestions for use contained in our technical data sheets, or given verbally or in writing, are based on our best experience.

However, since the jobsite conditions and final use of this product are beyond our control, all information is provided as a guide only and it shall not be binding, legally or in any other way, towards third parties. Therefore, it is recommended that the customer/user conduct their own tests to determine the behaviour of each product under the weather and application conditions at the jobsite.

Before using our products, to make sure that this technical data sheet is up-to-date and that it has not been superseded by a more recent edition, please download the latest version from our web site **www.kedil.eu**.