

Fluid Spritz AF

Alkali-free setting accelerant additive for shotcrete



Alkali-free mineral reactivity solution to be used to accelerate sprayed concrete and shotcrete, in the consolidation of rocks outdoors and/or in tunnels, in the construction of self-sustaining and waterproofing coatings of tunnels, canals, vaults, basins, underground works, etc., to be used both dry and wet directly in the mix design of the concrete to be sprayed.

CUSTOMS CODE: 3824 4000

COMPONENTS: Single-component

APPEARANCE: Liquid

AVAILABLE COLORS: Transparent / Neutral

PACKAGING AND DIMENSIONS: Pallet tank (IBCs) 1050 kg - Plastic can 25 kg

FEATURES AND BENEFITS

Fluid Spritz AF is a widely-used accelerant characterised by ease-of-use and variability in dosing according to the specific needs of the worksite, with a reduction in the number of coating layers to be applied and in the time needed to complete the carryovers, with less rebound waste and the option to operate even in cold temperatures.

FIELDS OF APPLICATION

Packaging of sprayed mortars and concrete mixes including with specific equipment (shotcrete pumps, pumping machines) for hydrated mixtures in the consolidation of rocks outdoors and/or in tunnels, in the construction of coatings also with a load-bearing function, in tunnels, on posts, pilings, diaphragms, canals, vaults, basins, dams, and so on. For waterproofing below-ground works. Can be used in collaborative slabs, for the safety of buildings affected by earthquake.

ALLOWED SUPPORTS

Concrete - Bricks - Mixed walls (bricks and stones) - Stone walls - Rock walls - Natural stones

MODE OF USE

Fluid Spritz AF can be used wet directly in the concrete to be sprayed or can be placed ahead of time in a container of suitable capacity to be added directly to the spray lance. It is always advisable to carry out preliminary tests to determine the addition of the most suitable percentage of product.

APPLICATION METHODS

To be added to other components - Shotcrete machine



TOOL CLEANING

Water

KEY FEATURES

- Consumption (% by weight of binder): 8 - 10 %
- Nonflammable
- Solvent-free
- Density: 1.26 kg/l
- Shelf-life: 6 months

TECHNICAL SPECIFICATIONS

UNI EN 480-8 105°C
Dry residue **33 ± 2 %**

UNI EN 480-10
Chloride content < **0.1 %**

ISO 4316
pH **3**

UNI EN 480-12
Alkali content < **1 %**

CONSUMPTION

Use 8-10% of Fluid Spritz AF on the weight of cement present in the mixture to exude and according to the application conditions and type of concrete (range of use: between 8-10 kilograms per 100 kilogram of cement in the design mix).

STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +5°C and +35°C.

PHOTO GALLERY



ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

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