



Family
Floortech

Type
Deactivating agents for fresh concrete

Product Lines

- Building
- Sanageb

Functional Categories

- Wall structure treatments and repair of industrial concrete floors
- Construction of concrete floors with the technique of the 'washed gravel'

Components
Single-component

Appearance
Liquid

FLR.0236

PRERIT SOLUTION

Superficial set retarder for
washed concrete paving

Dosage

0.05 - 0.2 kg /m²
(Recommended: 0.1 kg /m²)

Packaging

- Plastic can 10 kg
- Plastic can 25 kg

Application

- Low pressure airless nebulize

Certifications and legislations



Sanageb - Prodotti naturali per la Bioedilizia

Product belonging to Sanageb, Azichem's product line dedicated to green-building, sustainability in constructions and bio-architecture since 1994.

General description

Set retarder in aqueous solution to be applied, using a low pressure airless pump, on fresh concrete surfaces, to allow removal by washing with water, a cortical layer a few millimetres thick, and then expose the aggregate forming the concrete. Specific for the realisation of floors with landscape/environmental value with the "washed gravel" technique.

General features

Surface gripping deactivator, in aqueous solution, to be diluted; based on polysaccharides, specific catalysers and antifoaming agents, allows for inhibiting the cement hydration reaction and slowing down the speed in gripping, only for a surface layer a few millimetres thick, without altering in any way the performance characteristics of the concrete flooring.

Fields of application

Construction of concrete floors with a high aesthetic value with the technique of the "washed gravel" (extrados with "exposed" aggregates).


Available colours


- Light blu


Basic features

 Density:
1.03 kg/dm³

 Nonflammable

 Shelf-life:
6 months

 Solvent-free

 Temperature of use:
+5 / +35 °C

 UV-resistant

Tools cleansing

- Water

Applicable on

- Concrete
- Floor screed

Instructions for use

Apply on site and float, with the usual methods, a packaged concrete on the basis of design and regulatory requirements.

PRERIT must be used in pure form (without dilution). With the concrete still in "fresh" condition, apply by spraying the set retarder, in the amount determined in the preliminary tests, depending on the "washing" depth desired. Usually, for an inhibition depth up to 2-3 mm, the dose of the product is equal to about 100 g/m².

After about 24 hours, provide for the removal of the superficial cement paste, delayed, with washing at moderate pressure, exposing the surface gravel.



www.azichem.com

Updated: 27/08/2018
General sales conditions and legal
notices on
www.azichem.com/disclaimer

Storage and preservation

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.



Considerations on "washed gravel" floors

"Washed gravel" floors refer to floors in which the surface/cortical layer was removed, for a thickness of a few millimetres, with pressure washing, in order to highlight ("expose") the stones that make up the conglomerate itself. The aggregates that constitute the concrete will be directly visible and in projection; thus it goes without saying that the latter then constitute a very important part of the aesthetic effect of the final product. Thus the use of round and colored aggregates, surrounded by white cement binders, for example, once treated with the method of the "washed gravel", will give great and aesthetic value to the finished works (in comparison to a concrete with aggregates from crushing, usually grey in color, mixed with grey cement). The technical and structural characteristics of the original flooring (quality and dosage of the cement, type and nature of the conglomerate, resistance to compression, thicknesses, any armour, etc.) will remain unchanged.

For an excellent pavement with the "washed gravel" technique, of exceptional aesthetic and functional value, we recommend that you follow the following guidelines and tips:

1. Packing the concrete with white cement 42.5 R, dosed at not less than 350 kg/m³.
2. Use round aggregates (not from crushing) and at least 4 different colours, chosen by the customer based on their aesthetic tastes, and particle size of 1 mm to 12 mm.
3. Add to the concrete by reason of 1 kg/m³, multifilament polypropylene fibre READYMESH PM-180.
4. Create a thickness of at least 10 cm.
5. Treat the cortical part of the flooring, subsequently to washing, with the lithium silicate solution QL NANO LITHIUM.

Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

The aesthetic effect is considerably influenced by the depth of removal of the cortical layer of concrete. To obtain results to your satisfaction, it is advisable to carry out preliminary tests with the materials and the working conditions that will characterise the processing. Indeed, the delay times and the thickness of the washing depend on several factors, such as the type of cement, the amount of cement, the distance between the concrete mixing plant and the unloading site, the water/cement ratio, the temperature of the fresh concrete, the ambient temperature, the ventilation etc..

Carry out the washing stage within 24 h of the day of laying the flooring; waiting too long could compromise the effectiveness of the inhibition and therefore not allow the success of the "washed gravel" effect.



www.azichem.com

Updated: 27/08/2018
General sales conditions and legal notices on
www.azichem.com/disclaimer

PRERIT SOLUTION is produced/distributed by



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



www.azichem.com

Updated: **27/08/2018**
General sales conditions and legal
notices on
www.azichem.com/disclaimer

Page: **3/3**