



Rev 0
05/21



AETERNUM PLATE SPOLVERO

Pure quartz-based self-wetting mineral hardener for industrial flooring



DESCRIPTION

AETERNUM PLATE SPOLVERO is a quartz-based mineral hardener selected for the protection and surface finishing of industrial floors.

The product is ready-to-use based on selected aggregates of high hardness, cementitious binders and special additives.

Suitable, due to its properties of high mechanical and abrasion resistance, for making the wear layer of industrial floors, both indoor and outdoor, with medium-heavy traffic and wear.

COMPOSITION

AETERNUM PLATE POWDER is a special formulation, premixed powder, composed of special hydraulic binders, pure quartz selected in appropriate grain size curve and inorganic pigments.

MIXING LAYING

SPRINKLING METHOD

AETERNUM PLATE SPOLVERO is used with the "sprinkling" method, on fresh, cast and poured concrete, distributing the anhydrous product in one or two passes, either manually or with special dispensing machines. The application should be done before the setting phase of the concrete has begun, normally 4 to 12 hours after casting, depending on environmental conditions.

APPLICATION

Dust the surface of the concrete by applying a first coat of the product on refusal. When the AETERNUM PLATE SPOLVERO has absorbed the concrete moisture, perform a smoothing of the surface with specific shovel machine (helicopter), using hand trowels, for the edges and corners. Then, if necessary, perform the second coat of dusting to reject product and proceed to the finishing stage by compacting and leveling the layer of hardener deposited. A second stage of mechanical troweling finishes the industrial floor until the surface is perfectly smooth.

Slab sizing joints must be made 24 to 48 hours after the floor has been completed and made with a diamond disk cutter. Joints should be suitably sealed.

The application can be done manually by scattering or mechanically by sprinkling.

INDICATIVE CONSUMPTION

2 to 4 kg per m².

Since the amounts are greatly influenced by weather conditions, setting speed and concrete absorption of the substrate, the amount is always determined until the floor is rejected.

PHYSICAL CHARACTERISTICS

Aspect	powder
Shape	spherical
Colour	gray or colored
Powder density mass	about 1500 kg/m ³

PRODUCT
FOR PROFESSIONAL USE

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

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Solid residue	100%
Aggregate hardness	> 7 Mohs Scale
Maximum diameter of the aggregate	2 mm
Conservation	6 months in original undamaged packaging and protected from moisture
Customs classification item	3824 50 90

APPLICATION DATA

Minimum application temperature	+5 °C
Maximum application temperature	+35 °C
Walkability	> 12 hours

COLOUR

Gray

On request: Red, Tobacco, Dark Brown, Green, Anthracite.

PACKAGING

25 kg bags

On 1,600 kg (64 bags) one-way pallet protected by waterproof shrink cap.

STORAGE

If the product is stored in places protected from the weather, under standard conditions of controlled temperature and humidity, it will remain intact for 6 months from the date of sale.

WARNINGS

Do not apply to concrete that is in the process of setting.

Apply at temperatures between +5°C and +35°C.

Do not apply if there is excessive surface water (bleeding) of the concrete; if necessary, remove and even out the concrete surface by eliminating any pools of stagnation.

Do not apply outdoors with incipient rain or frost.

Do not apply outdoors with strong wind, full sun or temperatures above +35°C.

During manual application, use suitable personal protective equipment.

THE SELF-WETTING POWER OF THE PRODUCT GIVES THE FLOOR UNPARALLELED CHARACTERISTICS. THIS FEATURE SHOULD BE GIVEN DUE CONSIDERATION IN THE WAY IT IS USED.



IRRITANT CONTAINS CEMENT

Risk phrases (R phrases)

R36/37/38	Irritating to eyes, respiratory tract, skin
R43	May cause sensitization by skin contact

Cautionary statements (S phrases)

S2	Keep out of the reach of children
S22	Don't breathe in the dust
S24/25	Avoid contact with eyes and skin

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For more information, see the safety data sheet

LEGAL NOTES

The information contained in this data sheet, while representing the most advanced stage of knowledge, does not exempt the user from performing accurate preliminary tests under his own conditions of use and operation. Any liability for improper use of the product is therefore disclaimed.

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