

Tds: 0596 **CREATIVO® AUTOLIVELLANTE**

Last update 07/06/2019

Fast drying self-levelling cementitious mortar for interior screed, CE-marked according to 13813 (CT-C53-F7) standard.

CHARACTERISTICS:

CREATIVO® AUTOLIVELLANTE is a fast drying one-component self-levelling mortar in powder. It is ideal for levelling and smoothing interior screed, **CE-marked** according to **EN 13813** standard. **CREATIVO® AUTOLIVELLANTE** is composed by special hydraulic binders and additives that provide an easy application and excellent mechanical resistance. Its fast-drying formulation make it ideal for the substrate preparation before application of **CREATIVO® MICROCEMENTO** system and parquet flooring. In fact, after 48 hours **CREATIVO® AUTOLIVELLANTE** has a very low residual water content and is therefore compatible for the application of these two types of flooring. The thickness of each layer can vary from 1 mm to 10 mm.

USE:

CREATIVO® AUTOLIVELLANTE is used for the levelling of interior irregular screed, or in any case in which further thickness is required. It is also possible to apply **CREATIVO® AUTOLIVELLANTE** on ceramic tiles and radiant floor heating.

HOW TO APPLY:

Surfaces need to be compact, sound, dry, solid, clean, free from dust, grease, oil, waxes, sealers, silicone compounds or any other substance that might affect adhesion of the system. Old paint and filming agents, not perfectly compact and adherent to the substrate, needs to be removed. In case of new cement screeds, the screed must be fully cured, minimum 28 days. In case of old screed, not perfectly sound, apply a consolidating coat of **CREATIVO® PRIMER** and check the condition of the substrate before proceeding with the application. In case of rising damp (above 4%) apply **CREATIVO® BARRIERA** vapour barrier. Holes and cracks can be directly filled with **CREATIVO® AUTOLIVELLANTE**, provided that the final thickness (hole depth + thickness to be recovered) is less than 10 mm. In case total thickness is more than 10 mm, proceeded in two steps: apply a 1st coat of **CREATIVO® AUTOLIVELLANTE** to fill the hole or crack, wait 2 – 4 hours then apply a 2nd coat on the whole surface. Before the application, carefully vacuum the surface.

- Application on cement screed:

Carefully mix **CREATIVO® AUTOLIVELLANTE** with 5.7 - 6.3 l of water for each 25 kg pack with the aid of a low-speed drill or concrete mixer, avoiding the creation of air bubbles. Observe the recommended mixing ratio. An excess of water would lead to the parting of the components and could compromise the mechanical performance. Use the product within 30 minutes (considering a standard temperature of 20°C). For application on a large surface, do not mix the full quantity required, only mix the portion that can be done within 30 minutes. Do not mix the product once it starts to set as this would lead to the loss of its physical and chemical properties. With temperature higher than 20°C the open time decreases. Do not add other materials to the mixture (binders, cement, aggregates, water etc.). Lightly moisten the cement substrate but avoid the development of water stagnation, pour the product on the floor and spread it with a smooth trowel or squeegee. If the overall thickness required is greater than 10 mm, a 2nd coat must be applied once the first coat is sufficiently dry, about 4 hours. It is not possible to apply then 2nd coat once the substrate is fully dry (about 24 hours). Wait 48 hours before applying **CREATIVO® MICROCEMENTO** system. Low room temperature will increase the drying time. It is advisable to check the percentage of substrate relative humidity before proceeding.

- Application on ceramic tiles or natural stone:

On these type of surface it is necessary to apply a 1st coat of **CREATIVO® GRIP**, ready-to-use adhesion promoter primer. Apply by roller with a consumption rate of 0.10-0.15 kg/m². Instead of water, to even out the surface and improve adhesion. Wait until the surface is completely dry, approximately 4 hours at 20°C and 60% R.H., then apply **CREATIVO® AUTOLIVELLANTE** after mixing it with water in the recommended ratio and proceed as per previous paragraph.

- Application on radiant floor heating:

For application on radiant floor heating, make sure that the thermal shock test has already been performed. In case of ceramic tiles on top of the heating system, it is necessary to apply **CREATIVO® BARRIERA** first.

IMPORTANT NOTES:

- **For professional use only.**
- **Before application, ensure that the surface is perfectly dry and hardened, and that it has good adherence to the substrate. It must be clean and free from oil, grease, mould, fungus, bacteria, efflorescence or any other defect that could impair adherence or successful results.**
- **Do not apply in the presence of stagnating and/or percolating water.**
- **Protect containers from freezing temperatures (minimum + 5° C).**
- **Store in dry, cool place, away from humidity. In these conditions and in sealed containers, shelf-life of the product is 12 month.**
- **The temperature of both the work environment and substrate should be between + 8° C and + 30° C. Relative humidity must not exceed 75%.**
- **During curing time environment and substrate temperature should not be below +5°C.**
- **Due to the complexity of the system and application, please contact our Technical Team for any clarification.**
- **The product should be handled with care: use protective gloves and goggles to avoid contact with skin and eyes.**

TECHNICAL DATA:

ASPECT	Grey powder
GRAIN SIZE	Max 0.5 mm
BULK DENSITY	2060 ± 50 kg/m ³
MIXING RATE	5.7 – 6.3l of water for 25 kg
OPEN-TIME	30 minutes
CONSISTENCY OF FRESH MORTAR UNI EN 1015-3	>200%
pH	12 ± 0.5
INITIAL SET UNI EN 196-3	15 ± 5 minutes
FINAL SET UNI EN 196-3	30 ± 5 minutes
COMPRESSIVE STRENGTH UNI 12190	@1 day>23 MPa @7 day>33 MPa @28 day>38 MPa
FLEXURAL STRENGTH UNI 12190	@1 day>4 MPa @7 day>6 MPa @28 day>9 MPa
PACKAGING	25 kg
Consumption Rate	1.7 Kg/m ² per mm.

CE – MARKING(EN 13813):

CHARACTERISTICS	REQUIRED VALUE EN 13813	MEASURED VALUE
Compressive strength after 28 days EN 13892-2	≥C5	C35
Flexural strength after 28 days EN 13892-2	≥F1	F7
Reaction to fire EN 13501 - 1	declared value	Class A1

The above information has been obtained from scrupulously controlled tests, and represents our best and most recent knowledge. This information is provided for reference purposes only. It is not binding upon the manufacturer, and neither may it constitute grounds for any kind of complaint whatsoever associated with the use of the products described, also considering that the conditions of use are beyond our control.