

NivoTech 110

Self-Levelling Screed

Product Description :

It is a high level fluid, cement-based, red-colored, self-diffusing ground leveling screed that is prepared by reinforcement with environment friendly additives and polymers and that can be used easily upon freezing in a short time formulated for thicknesses ranging from 1 to 5 mm only for indoors application.

Application areas :

- Indoors
- In leveling as a thin layer on concrete grounds

Features :

- Applied manually or mechanically
- Fluid, pumpable
- Reinforced with polymers
- High level of self-levelling and settling quality
- Suitable for floor heating
- Easily settled in sections and spaces that are unapproachable
- Frozen without cracks
- Features hydraulic adhesion quality
- Used in order to prepare the ground before laying materials such as glazed tile, ceramic, natural stone, granite, PVC, parquet, carpet, etc. by covering the ground as a thin layer.
- Fireproof

Technical data:

Colour	Red
Applicable Thickness (mm)	1 - 10
Dry Unit Volume Weight (kg / lt)	1,4 ± 0,2
Wet Unit Volume Weight (kg / lt)	2,0 ± 0,2
Waiting Time in Container (minutes)	~ 20
Drying Time (hours)	~ 24
Compressive Strength (28 days) (N / mm ²)	≥ 12
Bending Strength (28 days) (N / mm ²)	≥ 3
Adhesion Strength (28 days) (N / mm ²)	≥ 0,5
Mixture water amount (for 25 kg dry mixture)	6,0 - 7,0 lt
Environment temperature for application	Between +5°C and +35°C
Resistance of hardened coating	Between -25°C and +80°C

Technical data is obtained according to +20°C air temperature and 50% relative humidity.

Preparing the substrate :

- Foreign substances that prevent adhesion such as dust, dirt, form oil, scoria, paint and other residues and wastes such as cement, plaster and concrete should be removed from the surface of application.
- Sub-surfaces that are not solid enough to bear their own weight or algae residues should be removed.
- The surfaces that require repair should be filled with special repair and filling mixtures at least 3-4 days prior to the application and leveled.
- Mineral based sub-surfaces that have normal and smooth absorbency should be undercoated with Bostik PoroPrim while glazing and non-absorbing surfaces or smooth surfaces on which similar materials have been used before should be undercoated with Bostik MarmoPrim at least 24 hours before the application.
- The levelling mixture that features high fluidity can be prevented from leaking by using corner tapes on door and window thresholds and also in wall – ground connection places. The recommendation of producers should be complied in the event that surface additives, plaster bearers or liquid framed concrete is used.

Application:

- Bostik NivoTech 110 Self-Levelling Screed in dusty state should be mixed in low cycle until a smooth mixture is obtained within a container filled with water under normal ambient temperature in specified amounts. Mixture duration should be minimum 5 minutes. The mixture obtained at the end of the process should be rested for 3 minutes and should be mixed again until it becomes homogenous for 2 minutes.
- Density amount and drying time of the product vary according to the water amount.
- The mixture is ready for application after waiting for 3 minutes maturation period.
- No water should be added in order to dilute the self-levelling screed that is applied on the ground.
- Screed is spread/pumped until it reaches desired thickness by measuring by means of a measurement device.
- Then the finish that has diffused on the ground is checked in order to eliminate spaces by means of an appropriate device (spike) or trowel.
- In the event of pumping by machine, continuously running mixers and piston and spiral pump machines with approximately 40 lt/min. pumping capacity should be used.
- During the application, screed diffuses fast and thus there is no need for an additional diffusing or amendment task after the application in general.
- The period that should be waited for the application of the last layer is 12 hours if ceramic and carpet covering shall be made and 24 hours if parquet shall be covered.
- It can not be applied on surface that are continuously wet or subject to humidity. It is not recommended to be used outdoors, on wooden covering and industrial sites.

After application:

Fresh surfaces should be protected against direct sun light, strong air stream, high air temperature (above +35°C), rain and frost.

Coverage:

Approximately 1,5 - 1,7 kg/m² for each thickness of 1 mm.

Consumption amounts are theoretical values and we recommend that consumption controlled sample application is carried out before application.

Package:

In 25 kg craft bag, 64 bags in 1 palette (1600 kg/palette)

Storage:

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Risk Signs :

R23/24/25 : Poisonous when inhaled, swallowed and contacted with skin.

Security signs:

S2: Keep out of reach of children.

S3: Keep cool.

S9: Keep the package dry.

S26: Rinse with water thoroughly when contacted with eyes and consult a doctor.

S28: Rinse with water thoroughly when contacted with skin and consult a doctor.

S29: Do not throw in the drain.

S36/37/39: Wear suitable protective clothing, protective gloves and glasses / mask during the operation.

BOSTIK is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved.



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