

# TECHNICAL DATA SHEET

## NIVELOR STANDARD



ADHESIVES • PLASTERS • THERMAL INSULATION

### Self-levelling screed for interior application up to 5 mm

In accordance with  
EN 13813:2003 - class C40F7B1,5A12

*Dry cement-based mixture for fine levelling of indoor premises*



### PURPOSE

**NIVELOR STANDARD** is a dry cement-based mixture for leveling of uneven indoor floors, with thickness of applying up to 5 mm. The product is designed for fine leveling of concrete floors or cement-based screeds, in new domestic buildings or when repairing old indoor premises. **NIVELOR STANDARD** is suitable for making even and sound surfaces before laying parquet and soft floorings, such as linoleum, carpets and more.

### PROPERTIES

- ❖ fastness and precision at application
- ❖ short periods of drying
- ❖ high wear resistance

### PREPARATION OF THE BASE

The base should be strong, dry, free oil, dust, sand and other contaminants or separating layers. The concrete bases should have reached their optimal strength (after 28 days). Before applying **NIVELOR STANDARD** the base should be primed with **TERAZID G-101** (for low-absorbing substrates) or **TERAZID G-202** (for high-absorbing substrates). The self-levelling screed should be applied after the primer is completely dry.

### CHARACTERISTICS AND TECHNICAL DATA

- Colour: grey;
- Base: cement;
- Bulk weight: over 1,3 kg/l;
- Work temperature: +5°C to +25°C;
- Time for 'maturing': 5 minutes;
- Open time (for work) 45 minutes;
- Maximum thickness of the layer: up to 5 mm;

- Ready for walking after: after 24 hours;
- Time for final bounding and subsequent operations: 3-5 days;
- Compressive strength after 28 days: 32,3 N/mm<sup>2</sup>;
- Flexural strength after 28 days: 6,8 N/mm<sup>2</sup>;
- Residual moisture after 24 hours: 2%;
- Abrasion resistance on the 28th day (Böhme method): 12,5 cm<sup>3</sup>/50 cm<sup>2</sup>

### APPLICATION AND PROCESSING

To fully dissolve the 25 kg of **NIVELOR STANDARD**, around 5 liters of water are required. Into a preliminary prepared container with water, the necessary amount of dry mixture is poured and stirred with a mechanical mixer until a homogeneous mass is achieved. Thus, the stirred mixture is left to stay for about 5 minutes, after that it is stirred once again and it is ready for work. It is desirable to prepare as much quantity of **NIVELOR STANDARD** as it could be applied for a period of 45 minutes. Spill the screed over the working area and spread it with stainless mortarboard till the necessary thickness is achieved. The work starts from the farthest corner of the room, gradually moving towards the door. If necessary, the freshly applied layer is deaerated with special needle roller. It is advisable to work with special shoes, fitted with spikes. **NIVELOR STANDARD** characteristics allow walking on the screed 24 hours after its application. Subsequent construction operations should start after 3-5 days, considering the screed humidity and the type of the covering, which is going to be applied.

### CONSUMPTION

- 1,4 - 1.6 kg/m<sup>2</sup> with thickness of the layer of 1 mm.



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### TOOLS FOR WORK

- electrical drill and stirrer
- steel mortar-board with long handle
- needle roller
- shoes with spikes

### WEATHER CONDITIONS AT WORK

The minimum twenty-four-hour temperature of the air and the base should not be less than +5°C, and the maximum – not higher than +25°C. Lower temperatures could extend processing time, and higher temperatures could reduce it. After application of the self-levelling screed, a temperature of +5°C to +25°C should be ensured. Avoid application under direct sunlight or strong air drafts.

### FORM OF DELIVERY

Dry mixture in paper bags of 25 kg

### NOTES

Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20°C) and relative humidity (50%). In other weather conditions, the technological time for some of the processes, mentioned above, could be shorter or longer.

The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

Do not mix with other building materials.

All hazards and precautionary statements about **NIVELOR STANDARD** can be checked in the Safety Data Sheet of the product.

### STORAGE

9 months into originally sealed packages, in a dry and ventilated store. It is recommended to be stored on pallets.

	
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BDS EN 13813 NB 1950 DoP № 20130709-51-D	
<b>NIVELOR STANDARD</b> <i>Self-levelling screed for interior application</i>	
<b>Reaction to fire</b>	Class A1 <sub>fl</sub>
<b>Compressive strength</b>	32.3 N/mm <sup>2</sup>
<b>Bond strength</b>	1.45 N/mm <sup>2</sup>
<b>Flexural strength</b>	6.8 N/mm <sup>2</sup>
<b>Abrasion resistance (Böhme method)</b>	12.5 cm <sup>3</sup> /50 cm <sup>2</sup>
<b>Coefficient of capillary absorption of water - c</b>	0.45 kg/m <sup>2</sup> .h <sup>0.5</sup>

*The manufacturer recommends checking the suitability of the product in the Technical Data Sheet. The same is responsible for the product quality, but not for the ways and conditions of its applying.*

*The information into the present Technical Data Sheet is reliable but only if the product is used under stated conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or a process, is borne by the user.*

