

### Fast-setting self-levelling screed

According to the requirements of  
EN 13813:2003 - class C40F6B2.0AR6

Quick-drying self-levelling floor for  
thicknesses up to 10 mm

#### PURPOSE

**NIVELOR EXPRESS** is a dry cement-based mixture with added selected mineral fillers and special additives. It is extremely suitable for making even and strong surfaces before laying parquets, carpets, PVC and other floorings.

**NIVELOR EXPRESS** is characterized with very short drying times (releasing the moisture from the applied screed), high application precision and high wear resistance.

#### PROPERTIES

- ❖ application precision
- ❖ very short drying times
- ❖ high wear resistance

#### PREPARATION OF THE BASE

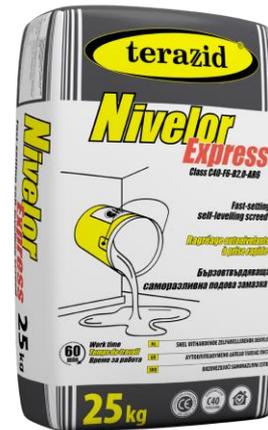
The base must be dry, strong, without greasy spots, dust and other contaminants. The concrete surfaces must have reached their maximum strength (after 28 days).

Before starting work, all windows in the room should be closed in order to avoid uneven drying of the screed caused by air drafts.

Non-absorbent substrates must be primed with primer for non-absorbent surfaces, with particle size below 9 nm. The primer should be applied with paint roller or brush and allowed to dry for 24 hours, after which the base is ready for **NIVELOR EXPRESS**.

#### APPLICATION AND PROCESSING

For the complete dissolution of 25 kg of **NIVELOR EXPRESS** around 5.0 litres of water are required. Into a preliminary prepared container with water, the necessary amount of dry mixture is poured and stir with a mechanical mixer until a homogeneous mass is achieved.



It is desirable to prepare such an amount of mixture that can be applied within 1 hour.

The screed should be poured all over the working area and spread to the required thickness using a long-handled steel trowel. The application of **NIVELOR EXPRESS** should start from the farthest corner of the room, gradually moving towards the door. If necessary, the freshly applied layer can be deaerated with a needle roller. It is recommended to work with special spike shoes.

The qualities of **NIVELOR EXPRESS** allow walking on the screed 3 hours after its laying, with application thickness of 5 mm. Subsequent construction operations should start after at least 3-5 days, checking the residual humidity and considering the flooring type to be used.

#### CONSUMPTION

- 15-16 kg/m<sup>2</sup>, with 10 mm layer thickness

#### WORKING TOOLS

- electric mixer
- long-handled steel trowel
- needle roller
- spiked shoes

#### WEATHER CONDITIONS FOR APPLICATION

The minimum twenty-four-hour temperature of the air and the basis should not be less than +5°C, and the maximum – not higher than +25°C.

The open time for work with **NIVELOR EXPRESS** is about 40 minutes, at 20°C temperature.

# TECHNICAL DATA SHEET

## NIVELOR EXPRESS



Lower temperatures could lengthen processing time, while higher temperatures could shorten it.

After the screed application, a temperature of +5°C to +25°C must be ensured. The fresh screed should be protected from premature and uneven drying. Application in direct sunlight or air drafts should be avoided.

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 or already opened and outdated lots.

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

### FORM OF DELIVERY

Dry mixture in paper packages 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.

### STORAGE

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

### CHARACTERISTICS AND TECHNICAL DATA

Colour	grey
Form (aggregate state)	dry powder
Base	cement
Bulk density	around 1.65 kg/l
Open time for work	around 40 minutes
Maximum application thickness	10 mm
Ready for walking	after 3 h (5 mm layer thickness)
Final setting and subsequent operations	after 3-5 days, depending on residual moisture
Compressive strength	46.5 N/mm <sup>2</sup> class C40
Bending strength	6.3 N/mm <sup>2</sup> class F6
Tensile strength	2.25 N/mm <sup>2</sup> class B2.0
Wear resistance (BCA method)	510 µm class AR6

*The manufacturer is responsible for the product quality, but not for the manner and the conditions of its usage. The information into the present Technical Data Sheet is reliable, but only if the product is used under the stated specified conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or process, is borne by the user.*