

8. Problem: Leveling and smoothing of floors

Floor filling (including covering water or heating pipes, dismantling old wooden floors and leveling or creating a sloped roof) and smoothing (fixing tiles, moquettes, plastic or wooden floors) are constantly required in both old structures - in need of renovation - and new ones.

REPAIRING UNEVEN SURFACES OR INCLINATIONS USING FLOOR LEVELING CEMENT MORTAR



1
Dismantlement of old wood floors and leveling in order to fix tiles, leads to height differences in comparison with other floors.



2
Firstly, the surface is cleaned of any dust, oils, loose materials, etc. and an elongated beam is used for leveling.



3
Then, the substrate surface must be well dampened, but without creating water puddles.



4
For thin application layers (up to 3-4 cm) a bonding layer of **ADIPLAST** mixed with water, cement and sand is required. Alternatively, **FERROSEAL** can be applied instead.



5
SCREED-100 is added into water under continuous stirring, until a homogeneous mass is formed.



6
The laying procedure of **SCREED-100** is the same as for concrete up to 10 cm thickness.

PRODUCTS

- **SCREED-100** Floor leveling cement mortar. Consumption: approx. 14 kg/m²/cm of layer thickness
- **ADIPLAST** Polymer latex for multiple improvement of mortars
- **FERROSEAL** Cement-based anticorrosive coating for reinforcement elements - Bonding agent. Consumption: approx. 2 kg/m²

LEVELING AND SMOOTHING OF UNEVEN SURFACES USING SELF-LEVELING CEMENTITIOUS SCREED



1
The surface of concrete floors is usually uneven, making it difficult to fix tiles, carpet, plastic flooring, etc.



2
Firstly, the surface is cleaned of any dust, oils, loose materials, etc.



3
Subsequently, the surface is primed with **UNI-PRIMER**.

After the primer has dried, **FLOWCRET 1-10** can be applied. The material is added to water under continuous stirring, until a homogeneous mass is formed. In case it is desirable for the floor to be walkable after 3 hours or to be covered within 24 hours, it is recommended to use **FLOWCRET 1-10 EXPRESS**. Alternatively, for floor thickness from 3 mm up to 30 mm, it is recommended to use **FLOWCRET 3-30 EXPRESS**.



5
The **FLOWCRET 1-10** mixture should be spread in a single layer, with the aid of a large spatula, in a thickness of up to 10 mm. After the **FLOWCRET 1-10** has dried, it can be covered with various floorings such as tiles, carpet, plastic flooring, etc.



PRODUCTS

- **FLOWCRET 1-10** Self-leveling, polymer-modified, cementitious flooring mortar. Consumption: approx. 1.65 kg/m²/mm of layer thickness
- **FLOWCRET 1-10 EXPRESS** Fast-setting, self-leveling, polymer-modified, cementitious screed. Consumption: approx. 1.65 kg/m²/mm of layer thickness
- **FLOWCRET 3-30 EXPRESS** Fast-setting, self-leveling, polymer-modified compound. Consumption: approx. 1.65 kg/m²/mm of layer thickness
- **UNI-PRIMER** Acrylic, water-based primer. Consumption: 0.1-0.2 kg/m²