

SLU (SELF LEVELLING UNDERLAYMENT) N Application Method

Preparation

1. Surface preparation

The concrete base or other floor bases must be clean, free of dust and grease. The base must be consistent, without loose particles and disaggregation. The foundation should have a minimum tensile strength of 1.5 MPa. The base must be visually dry. Cracks in the base should be repaired. Weak bases, which cannot sustain the contraction of coating must be removed or restored. The foundation should be ground or blasted and then aspirated. Use appropriate FreeForm primer, depending on the nature of the substrate- i.e., whether it is loose, absorbent, non-absorbent or displaying signs of humidity. After application of primer and drying, the surface should be vacuumed to remove loose sand particles.

Humidity of the surface should not be higher than 4% and may need to be checked by testing.

Where required, adequate waterproofing of the substrate must be adequately carried.

2. Recommended primers

FreeForm Primer C or as per requirement of the substrate

3. Installation tools

- Concrete Mixers- Pan or Drum Type - Horizontal or Vertical- Mixer must be clean and not cause contamination of the mixture.
- Screed bars to take level from the floor and screed material/ Laser Screed
- Hand Trowel
- Spike Shoes Metallic Spike roller with 10 mm fine spikes
- Wheelbarrow or dumper to transport material
- Spray new tools with a hydro repellent for easier cleaning and better performance

Work area preparation/Setting up

1. Mixing

- Add approximately 75% of the quantity of water to the mixer and then the screed in the mixer. Gradually add the screed to the mixer, while keeping the mixer running and gradually add the balance water.
- Make a test mix to adjust the mixing rate, and also for "buttering of the mixer".
- Mixing water - try to work as per recommendations from VYARA/ FREEFORM. Final water rate will need to be adjusted to temperature and work conditions. Once mixing rate is established make sure it is always the same.

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- In case of manual mixing, mix for minimum 4 to 5 minutes. Mix till homogeneous, without lumps and all pigments are well integrated in the mix. Wait for 5 minutes and then remix before use.
- When small mixers are used try to use two mixers to secure an even material flow.

2. Recommended application thickness

We recommend using the Self-Levelling material in 0 to 12 mm thickness for levelling application. For higher thickness levelling, the FF Dry Screed material may be used.

3. Laying/Pouring/Installation

- Pour the mixed material evenly on the floor or as required for the levelling application. then spread with a long-handled gauged spreader. The material will seek its own level during the first 20 minutes.
- If a second layer is required, install immediately after the first layer has set to a walkable hardness.
- If the first layer has dried over 12 hours, re-prime before the second application.

4. Curing

In normal conditions, the FF SLU will dry to walkable hardness in one day. If temperature is lower curing will take longer.