

EWI-250

SELF-LEVELLING COMPOUND

ULTIMATE LEVELLER

The ultimate leveller is a self-levelling compound used for internal flooring. It is suitable for residential and commercial properties such as; homes, offices, public buildings and other places exposed to similar loads. EWI-250 self-levelling compound is ideal for basic surface levelling including: cement, concrete, load-bearing anhydrite screed, and more.

The EWI-250 Ultimate leveller comes in a 25kg dry bag ready to be mixed with water. Once dry, the ultimate leveller provides the perfect substrate for ceramic tiles, synthetic flooring, parquet flooring, etc. As the ultimate leveller sets within 2 hours and can be covered after 24 hours (see packaging for details), it is the perfect solution for floor levelling.

Intended Uses.

The EWI PRO-250 self-levelling compound has been designed for use on internal flooring and is suitable to be used on a variety of floor surfaces including underfloor heating. EWI-250 can be applied at a thickness ranging from 2-100mm. This quick-drying product provides the perfect substrate for ceramic tiles, synthetic flooring, parquet flooring, etc as it can be covered after 24 hours.



Technical Specification

Composition

Portland cement, Mineral fillers, Modifying supplements

Bulk density (dry mix)

1179-1451 kg/m³

Compressive Strength

≥ 20 MPa

Suitable For Floor Cover

after 24 hours

Reaction to fire

A1



INTERNAL
FLOORING



MECHANICAL
APPLICATION



QUICK
SET



IDEAL FOR FLOOR
HEATING SYSTEMS



THICKNESS FROM
2 - 100mm

Directions for use.

Substrate Preparation

All surfaces should be clean, dry, and free from any materials which may impair the application. Also, prime the substrate with EWI-310 universal primer and ensure that all the substrates are load-bearing and stable. This should be checked before application. Concrete substrates must be at least six months old, and cement screeds must be at least four weeks old before application.

Product Preparation

Manual Pouring: EWI Pro ultimate leveller should be mixed with clean water. Approximately 6.9 litres per 25kg bag should be mixed mechanically using a paddle mixer. Mix the product for 2-3 minutes; after mixing the first batch of the ultimate leveller, check its consistency. If necessary, adjust the amount of water added. Subsequent batches should be prepared with the same amount of water to ensure consistency. The entire dry mixture must be carefully mixed as during transport, components can separate. Do not remix any hardened mixture.

Application

Before application, determine the level to which the screed will be poured. The level of the compound can be determined by using notable benchmarks or benchmarks made by using embedded dowels with screws in the ground - the heads can determine the level. This process will ensure consistency throughout the project.

It is recommended to start work at the wall furthest from the entrance. If you are working in a large room, it is suggested to separate smaller working fields with a width of 3-6 metres, depending on the speed of the pouring mass.

After pouring, it should be immediately spread with a steel trowel and de-aired with a spiked roller. If the layer is greater than 20mm, it is recommended to level the levelling compound with a metal bar in vibration movements. When pouring out the mixture with a machine, use a dual mixing unit.

The work should be performed without interruption until the entire floor area in the room is covered.

Drying Times

The self-levelling compound will be dry after 2 hours and further tile works can be carried out after 24 hours of grout drying. This drying time refers to a layer of thickness of up to 20mm. In the case of the grout applied in a thicker layer, it is necessary to assume an additional 1 day of drying per each 10 additional millimetre of the product. This data does not refer to laying parquets, where the drying time is dependent on thickness of the layer, temperature and air humidity and it must be individually checked in each case. We always recommend dry testing the self-leveller before applying any weight.

Application Conditions

Substrate primer

EWI-310 Universal Primer

Application and setting temperature (air, substrate, materials):

from 5°C to 25°C

Water mix proportions

Approx. 6.9L of water per 25kg of dry mix

Time to use after mixing with water

max 30 min

Quantity to be used

1.6kg per mm/m²

Min/max thickness

2-100mm

Packaging

25 kg bag.

Storage

Shelf life: up to 12 months from date of manufacture. Store unopened, in original packaging, and in a cool, dry place.

Safety Measures

Wear protective goggles, gloves, respiratory equipment and protective clothing when mixing and using the product. Avoid contact with the eyes. In the event of eye contact, wash the affected area with plenty of cold water as soon as possible and seek medical attention. Do not ingest. Keep out of reach of children. Refer to the material safety sheet for further information regarding first aid and protection recommendations. Contact with wet cement may cause irritation, dermatitis or burns. For further details, refer to our Health & Safety Data Sheets.

Clean-up

Ensure all equipment is washed with clean water immediately after use. Any waste material should not be emptied into drainage systems, and should be disposed of correctly.