



**PERFORMANCE SPECIFICATION FOR
EVERCRETE SELF-LEVELLING OVERLAYMENT (SL)
SELF-LEVELLING FLOOR SCREED WITH
LOW SHRINKAGE TO MINIMIZE SURFACE CRACK FORMATION**

1. PREAMBLE

Evercrete Self-Levelling Overlayment (SL) is a high quality pre-mixed cement-based self-levelling floor screed over concrete substrate. It can be applied to all concrete substrates and can be used in apartment units, shopping malls, offices, hotels and schools. It is free from casein and ammonia additives thus is also suitable for use in smell sensitivity locations such as hospitals and food preparation or storage areas.

2. USES

- Is specially formulated to be low shrinkage to minimize the formation of surface cracking.
- Becomes a flowable and pumpable self-levelling floor screed with addition of water.
- Can be applied at thickness between 5mm and 20mm in one operation while the optimum thickness is 5-8mm.
- Is designed to set and gain strength quickly for light foot traffic in 4 hours.

3. FEATURES AND BENEFITS

- Pumpable and flowable
- Extremely flat and smooth finish
- Sound solid surface
- Good workability
- Low shrinkage
- Efficient applications

4. TECHNICAL DATA

Compressive Strength at 28 days	>35 MPa
Flexural Strength 28 days	>8 MPa
Linear Shrinkage at 28 days	<0.1%
Hindered Shrinkage at 56 days	<0.2%
Workability (Flow)	135 – 140mm
Self Healing Time	20 minutes
Time Open to Foot Traffic	4 hours
Typical Mixing Water	5.7 – 5.9 Litres
Wet Density	2000 kg/m ³
Coverage	1.65 kg/mm/m ³
Packaging	25 kg / bag
Shelf Life	6 months

Note: The above are typical laboratory test results and can vary slightly depending on ambient and substrate conditions during application.

Standard

Flow:	According to BS EN12706
Density:	According to BS 4551
Compressive and Flexural Strength Test:	According to BS EN 196-1
Linear Shrinkage:	According to HKHA/MTS(2000), Part D2.1.21

5. APPLICATION

5.1. Substrate Preparation

Substrate must be clean, free from unsound material, oil, grease and other contaminants.

It is recommended to clean the substrate with high pressure water jet to remove dust and loose particles.

The substrate surface is recommended to be treated with **Evercrete Deep Penetrating Sealer (DPS)** to enhance the adhesion properties and let the treated substrate becomes touch dry.

Excessive **Evercrete DPS** should be removed.

5.2. **Mixing and Application**

Mix one bag of **Evercrete Self-Levelling Overlayment (SL)** dry powder with 5.7-5.9 Litres potable water.

Mechanical mixing should be carried out with a proprietary mixing and pumping machine.

The mortar should be laid to position within the working life which is dependent upon ambient temperature and relative humidity.

For best result, all applications should be done by our approved applicator.

5.3. **Finishing**

The finished surface should be flat and smooth; its levelness is largely dictated by the contour of the substrate.

Evercrete Self-Levelling Overlayment (SL) does not crack by itself. However, minor surface defects, which pose no detrimental effect to the performance of screed, such as micro hairline cracks or pinholes may occur due to substrate movement or other external factors beyond our control.

6. **STORAGE AND PACKING**

Evercrete Self-Levelling Overlayment (SL) is delivered in 25 kg bag. Storage life is 6 months if the product is kept in a dry place with its original unopened bags.

Direct Sunlight must be avoided and protected from rainfall.

Failure to comply with recommended storage conditions may result in premature deterioration of the product or packaging.

7. **HEALTH AND SAFETY**

Evercrete Self-Levelling Overlayment (SL) is alkaline in nature and can cause irritations to persons with sensitive skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

Keep out of reach of children.

8. **REMARKS**

Because it is not possible to give specific instructions for various site conditions or to control the applications, the information on this Product Specification is for general guidance only and we reserve the right to modify the information detailed in this Product Specification.