

enviro level SL

Cementitious Self Levelling Compound



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Description

Enviro Level SL is a specially formulated cementitious floor topping compound used over in situ or pre-cast concrete floors requiring repair. In some situations it can be used outdoors. It can also be used as an underlay prior to applying carpet, tiles, stone, vinyl or the like.

Advantages

- Self Levelling
- Extreme Durability
- High Early Strength
- Feather Edge

Uses

- Refurbishing old concrete, terrazzo or tiled floors
- Repairing internal rain damaged concrete floors
- Underlayment for epoxy coatings and toppings
- Levelling rough concrete floors
- Internal and External

Physical Properties

Enviro Level SL is supplied as a 20 kg bag of cementitious powder. Water is added at site.

• Colour	Grey	• Shelf Life	12 months
• Consistency	Fine Powder	• Mix Ratio	1 x 20 kg bag: 5.0 ltr water
• Work Time at 20 – 25°C	10 minutes	• Initial Set	1 hour (weather dependant)
• Application Temperature	5 – 25°C	• Final Set	24 hours (weather dependant)
• Maximum Thickness	20 – 50mm		
• Compressive Strength	12 MPa at 1 day	24 MPa at 7 days	30 MPA at 28 days
• Flexural Strength	5.3 MPa at 28 days		

Application Directions

Substrate Preparation

The substrate must be clean, and free of all foreign matter such as laitance, oil, grease, paint and curing compound. It maybe necessary to remove any existing coatings by mechanical means. Any cracking in the substrate should be repaired to prevent any seepage of Enviro Level SL. The prepared surface must be primed.

Mixing

It is recommended that Enviro Level SL be mixed mechanically, using a slow speed stirrer (approximately 600rpm) with appropriate mixing paddle. Place the required water into a clean container and slowly add Enviro Level SL whilst stirring. Enviro Level SL should be mixed for 4 minutes.

Note: For larger areas it is possible to use multiple containers and continuous mixing for more efficient production.

Priming

Apply 1 coat of Enviro Prime WB to prepared substrate at a rate of 7 – 10m² per litre, by brush or roller.

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Application Directions (cont)

Application

Enviro Level SL should be poured onto the substrate without interruption to maintain a continuous wet edge. The fresh material can then be rolled with an appropriate spiked roller to release any retained air. Do not roll any material that has been applied for more than 3 minutes. The maximum recommended thickness to apply Enviro Level SL is 20mm. It is possible to increase the thickness of Enviro Level SL by mixing silica or appropriate aggregate into the initial mix. Please consult our customer service department for further details. Edges can be feathered using a steel trowel if required.

Estimating Data (Theoretical)

When mixed with 5 ltr of water, Enviro Level SL will yield approximately 13.5 ltr resulting in a coverage rate of approximately 1.3m² at 10mm.

Curing

Avoid direct exposure to sunlight and hot winds to prevent premature moisture loss and subsequent cracking etc. Do not use any curing compounds or spray with water as this can affect the adhesion of any floor coating that maybe applied to the surface of Enviro Level SL.

Cleaning

Tools can be cleaned with water prior to material hardening.

Shelf Life

Enviro Level SL has a shelf life of 12 months provided the material is kept dry. After this 12 month period, the material should be individually assessed for suitability.

Safety Advice

As with all cementitious products, Enviro Level SL is alkaline by nature and can cause irritations to skin and eyes. Ensure all appropriate PPE is used, such as dusk masks and gloves. In case of contact with eyes, rinse immediately with clean water and seek medical advice. Keep out of reach of children.

KEEP OUT OF REACH OF CHILDREN.



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Statement of Responsibility

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Note:

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