



ARDEX R 213 E

3 Component Self-Smoothing Epoxy Cement Mortar Floor Screed

Good Flowability & Workability

Excellent Waterproofing Properties

Work as a temporary moisture barrier

Toxic free, solvent free, interior applications

Suitable on damp concrete surfaces

ARDEX SINGAPORE PTE LTD
26 Tuas Ave 4 Singapore 639376
Telephone: +65 6861 7700
Fax: +65 6862 3381
Email: sales@ardex.com.sg
Website: www.ardex.com.sg

ARDEX R 213 E

3 Component Self-Smoothing Epoxy Cement Mortar Floor Screed

DESCRIPTION

ARDEX R 213 E is a 3-component epoxy modified cementitious self-levelling floor coating, temporary moisture barrier and underlayment. As a corrective screed/underlayment for cementitious or mineral based substrate, it is recommended as a temporary moisture barrier applied to a minimum of 2 to 4 mm for epoxy and polyurethane or others floor topping.

FEATURES & BENEFITS

- Good flowability and self-smoothing
- Low odour during application – solvent free
- Excellent mechanical strength
- Compatible with wide range of top coats
- Damp tolerant with moisture when during application

SUBSTRATE PREPARATION

Make sure the concrete to be coated is sound, clean and free from contaminating material. The compressive strength should be a minimum of 25N/mm² and pull out strength of minimum 1.5N/mm². Curing compound if used on the concrete must be a compatible type to avoid de-bonding. The surface must also be thoroughly dry.

MIXING

Shake Component A separately and mix well with Component B in a mixing drum (approx. 20 L) for at least 10 seconds with a stirrer of high power 750 rpm. Add Component C (powder) into the mixed binder (A+B) and stir for at least 2 minutes until a smooth homogenous consistency is achieved.

APPLICATION

Apply ARDEX P 82 or ARDEX R 3 SE as a primer for sealing well the substrate porosity and allow the primer to cure.

Apply ARDEX R 213 E within its pot life of 25 minutes. Spread ARDEX R 213 E uniformly with a trowel or squeezer immediately with spike roller to achieve even thickness between 2 to 4 mm thick, Refrain from spiking when the initial setting of the material is observed.

COVERAGE

One unit of 24 kg will cover approximately 6 m² when applied at the recommended thickness at 2 mm.

TECHNICAL DATA

Product Identity

| | Comp. A | Comp. B | Comp. C |
|--------------------------|------------------------|---------|---------|
| Colour | Light Grey Matt Finish | | |
| Mix ratio (by weight) | 3.5 kg | 1.5 kg | 19 kg |
| Specific Density (Mixed) | Approximate 2 kg/litre | | |

Properties

| | |
|--------------------------------|---|
| Thickness | 2 - 4 mm |
| Pot Life | 25 minutes at 28°C |
| Curing Time: Light Traffic | 3 days 22°C 2 days 28°C 2 days 32°C |
| Full Cure | 7 days |
| Compressive Strength (28 days) | 40N/mm ² |
| Flexural Strength | 1.5N/mm ² |

CLEANING

Wash hand and equipment with water, as permitted under local regulations, immediately after use.

PACKAGING

24 kg set.

STORAGE

The shelf life of ARDEX R 213 E is 12 months in the original unopened packaging when stored at 25°C. Keep containers securely sealed. DO NOT allow to freeze. Do not store in direct sunlight. Replace lid tightly after use.

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SAFETY PRECAUTIONS

Wear suitable gloves, goggles and other protective clothing. The use of barrier creams can provide additional skin protection. When working in confined areas ensure adequate ventilations. In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straightaway, do not induce vomiting. The application area or site must be in good ventilation otherwise advisable to use a portable exhaust fan.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent to best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in

accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development.

Offices in Southeast Asia:

Malaysia:

ARDEX MANUFACTURING SDN BHD (669180-X)

No. 19-1, Jalan Puteri 2/2, Bandar Puteri,
47100 Puchong, Selangor Darul Ehsan, Malaysia
Tel: +603 8060 1139 Fax: +603 8060 0719
Email: sales@ardex.com.sg

Thailand:

ARDEX (THAILAND) CO., LTD

969 Moo 13, Soi 45, Bangna-Trad Road
Bangkaew, Bangplee, Samutprakarn 10540 Thailand
Tel: +66 2316 3069 Fax: +66 2316 3075
Email: sales@ardex.co.th

Vietnam:

Mobile: +84 901 351 308
Email: sales@ardex.com.sg