



ARDEX A 25

Economical Premix Screed

For internal and external use

Ready to receive tiles after 24 hours

Factory proportioned premix engineered tile screed

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ARDEX A 25

Economical Premix Screed

DESCRIPTION

ARDEX A 25 is a factory proportioned premixed engineered tile screed for internal and external use. ARDEX Tile Screed must not be left exposed or used as a wear surface.

TO SUBSTRATES

- Concrete floors
- Compressed fibre-cement sheets

SUBSTRATE PREPARATION

Concrete floors must be solid, thoroughly clean and free of oil, wax, asphalt, latex compounds, curing and sealing compounds and other surface contaminants. Mechanically clean the floor to provide a roughened, clean sound, solid and open porous matrix of the concrete by using recommended preparation methods such as shot-blasting, scarifying, diamond grinding, shaving, or other suitable methods.

Acid etching is not an acceptable method of cleaning the sub-floor. Do not use solvents or sweeping compounds to clean the sub-floor. Sub-floors must be dry as per current Australian Standard AS 3958 and properly primed for a successful installation. Direct to earth sub-floors must have an effective damp-proof membrane, or use an ARDEX Moisture Barrier System.

Concrete

This includes precast, in-situ and wood floated concrete. As concrete exhibits drying shrinkage, allow to cure for at least 4 weeks prior to tiling. Any surface laitance, concrete sealers, curing compounds, and other materials shall be removed from the surface prior to tiling. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for tiling. The surface should be true and level and pitched to drains where required.

The concrete should have adequate surface profile (e.g. CSP 2-3) to provide a mechanical key. Smooth surfaces and/or dense concrete greater than 35MPa must be mechanically prepared prior to tiling.

Compressed Fibre-Cement Sheet

Fix sheets according to manufacturer's instructions making sure the surface is completely clean. Tape sheet joints with PVC duct tape or masking tape.

MIXING

ARDEX A 25 is added to clean water in a large clean container and mixed thoroughly to give a moist semi-dry mix for optimal application. A 20kg bag of ARDEX A 25 requires approximately 2 litres of water.

The ARDEX A 25 can also be prepared with horizontal forced action mixers.

APPLICATION

ARDEX A 25 can be applied as a bonded screed from 15mm to 80mm and an unbonded screed from 40mm to 80mm.

For a thickness greater than 50mm, reinforcing mesh should be used in accordance with AS 3958.

ARDEX A 25 can be applied to any thickness; however, for optimal performance and proper compaction, it is recommended to install in 50mm increments. For additional screed layers, the slurry mix and wet on wet process must be strictly followed between layers.

1. Using a trowel or broom, coat the prepared area with a slurry of 2:1 neat cement: ARDEX Abacrete to improve adhesion of ARDEX A 25 to the substrate. You can also use a ratio of 1:1 mix of ARDEX Multiprime and water, mixed with 1 part neat cement.

A slurry coat is not required if an isolating layer (plastic sheet) is used.

2. If necessary, cut plastic sheet to size allowing for 100mm overlap at joints and upturn at walls above screed height (trim after ARDEX A 25 sets). Use duct or PVC Tape to overlap sheet joints.
3. Apply the ARDEX A 25 mix whilst the slurry coat is still wet or screed directly over the plastic sheet.
4. Use a straight edge, trowel or timber batten to level the material. Achieve falls in shower recesses to a maximum of 1:60, internal wet areas (e.g. bathrooms) to a minimum of 1:80 and external areas to a minimum of 1:100.
5. When reinforcing the screed with galvanised mesh, apply first layer of ARDEX A 25 lay in the mesh and apply the second layer. Do not lay the mesh directly onto the substrate. ARDEX A 25 should be left with a wood float or a poly float finish to create a key for tiling.

Note: Exterior installations must be protected from direct sunlight and draughts which could lead to accelerated drying of the surface.

For applications over floor heating systems, contact ARDEX Technical Services.

Do not apply at temperatures below 10°C or above 35°C.

DRYING TIME

ARDEX A 25 is trafficable and suitable for tiling after 24 hours at 23°C and 50% RH, with full cure achieved after 7 days.

Drying times will vary depending on humidity, surface temperature and porosity of substrates.

MOVEMENT JOINTS

Movement joints must be in accordance with Australian Standard AS 3958.

COVERAGE

A 20kg bag of ARDEX A 25 is sufficient for approximately 1m² at 10mm thickness. To achieve adequate falls to the waste, a 1m² shower base will require approximately 40kg of ARDEX A 25 (depending on minimum bed thickness).

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SHELF LIFE

ARDEX A 25 has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity

Pay attention to the following:

- Do not apply over substrates that may be subject to shrinkage after application.
- Protect from wind and direct sunlight whilst ARDEX A 25 is setting (3 - 5 hours @ 23°C and 50% relative humidity).
- Reinforcement used should be as per AS 3958

TECHNICAL DATA

TECHNICAL DATA	
COLOUR	GREY
MIXING RATIO	2.0L OF WATER PER 20KG POWDER
COMPRESSIVE STRENGTH	
AFTER 1 DAY	10 MPa
AFTER 7 DAYS	15 MPa
AFTER 28 DAYS	25 MPa

PACKAGING

ARDEX A 25 is packed in polylined paper sacks - net weight 20kg.

SAFETY DATA

Wear protective gloves, protective clothing, eye protection and face protection. Do not breathe dust/fumes. Wash all exposed external body areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Store locked up. Dispose of contents/container to authorised hazardous or special waste collection points in accordance with any local regulation. Additional information is in the Safety Data Sheet (SDS) on the ARDEX website.

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

GUARANTEE

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 2 Buda Way Kempas Creek NSW 2178; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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