



ARDEX A 36 ABASCREED

Premix Sand Cement Screed

For internal and external use

Specially designed to achieve falls for water run-off

Factory proportioned premix sand/cement screed

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DESCRIPTION

ARDEX A 36 Abascreed is a factory proportioned premixed sand/cement screed for internal and external use. It is specially designed to achieve falls for water run-off and to economically level uneven floors prior to tiling and waterproofing.

TO SUBSTRATES

- Concrete floors
- Compressed fibre-cement sheets
- Timber floors (Internal)

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.

Timber Floors (Internal)

Timber floors must be structurally sound and free from abnormal deflection. The maximum load deflection must not exceed 1/360 of the span. Use a separating layer (heavy duty plastic sheet) to isolate the background from ARDEX A 36 Abascreed. Screed to be installed as per AS 3958.

MIXING

ARDEX A 36 Abascreed powder 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 36 Abascreed requires approximately 2 litres of water. To achieve a stronger, more resilient screed and for all timber substrates, replace water with 3:1 water to ARDEX Abacrete dilution.

1. Pour clean water into a larger container and add the ARDEX A36 Abascreed, mix thoroughly to achieve a firm paste consistency.
2. Alternatively, create a mound of ARDEX A36 Abascreed, form a cavity in the centre and fill with the required amount of water. Fold the powder over the water and combine until a firm, consistent mix is achieved.

The ARDEX A 36 Abascreed can also be prepared with horizontal forced action mixers or screed pumps.

APPLICATION

A minimum thickness of 10mm can be achieved when using 3:1 water to ARDEX Abacrete dilution. A minimum thickness of 15mm can be achieved when mixing using just water. For a thickness greater than 40mm, reinforcing mesh is required.

1. Using a roller, paint brush or a trowel, coat the prepared area with a slurry of 2:1 neat cement: ARDEX Abacrete to improve adhesion of Abascreed to the substrate. Slurry coat not required if 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 A36 sets). Use duct or PVC Tape to overlap sheet joints.
3. Apply the ARDEX A36 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 minimum 1:60, internal wet areas (e.g. bathrooms) to a minimum of 1:80 and external areas to a minimum of 1:100.

When reinforcing the screed with galvanised mesh, apply first layer of ARDEX A36 Abascreed lay in the mesh and apply the second layer of ARDEX A36 Abascreed. Do not lay the mesh directly onto the substrate. ARDEX A36 Abascreed should be left with a wood float finish or a poly float finish to create a key for tiling and waterproofing.

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

DRYING TIME

ARDEX A 36 Abascreed is trafficable after 24 hours at 23°C and 50% RH, with an initial set time of 3 - 5 hours. Tiling and waterproofing to take place after 7 days at 23°C and 50% relative humidity.

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

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MOVEMENT JOINTS

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

COVERAGE

A 20kg bag of ARDEX A 36 Abascreed 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 36 Abascreed (depending on minimum bed thickness).

CLEAN UP

All tools should be cleaned with water immediately after use.

SHELF LIFE

ARDEX A 36 Abascreed 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:

- Protect from wind and direct sunlight whilst ARDEX A 36 is setting (3 - 5 hours @ 23°C and 50% relative humidity).
- Do not add sand as this will lower performance
- Reinforcement used should be as per AS 3958
- ARDEX A 36 Abascreed must be mixed with ARDEX Abacrete when used over timer substrates.
- A minimum thickness of 40mm is required when correct compaction is necessary to ensure the performance of the screed is achieved. Inadequate compaction of the screed during installation can lead to numerous issues such as diminished strength, air pockets, cracks, inadequate adhesion, potential separation, weakened surface integrity, and the formation of a crumbly, dusty surface.
- Do not use 'chicken wire' as reinforcement. 25x25mm (min 0.8mm thick) galvanised mesh is recommended.
- Keep water content in mixture to a minimum to avoid shrinkage.
- Not intended for smoothing floors prior to installation of resilient floor coverings.

PACKAGING

ARDEX A 36 Abascreed is packed in polylined paper sacks - net weight 20kg.

TECHNICAL DATA

TECHNICAL DATA	
COLOUR	COURSE GREEN POWDER
MIXING RATIO	2.0L OF WATER PER 20KG POWDER
POWDER BULK DENSITY	1.65KG/L
MORTAR DENSITY	2.2KG/L
MECHANICAL PROPERTIES	
WITH WATER	@ 16%
WITH WATER / ABACRETE	(3:1) @ 16%
COMPRESSIVE STRENGTH	
WITH WATER	20.2 MPa
WITH WATER / ABACRETE	22.6 MPa
FLEXURAL STRENGTH	
WITH WATER	4.0 MPa
WITH WATER / ABACRETE	5.5 MPa

SAFETY DATA

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing 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 experiencing respiratory symptoms: 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. 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 Australia website.

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

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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 Kemps 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 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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