



ARDEX A 36 Abascreed

Premixed Sand Cement Screed

Factory proportioned premixed sand/cement screed

Especially designed to achieve falls for water run-off

For internal and external use

Trafficable after 24 hours

Ready to receive tiles after 7 days

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
1300 788 780
technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
15 Alfred Street
Onehunga, Auckland, 1061
0800 227 339
info@ardexnz.com
www.ardex.co.nz

ARDEX A36 Abascreed

Premixed Sand Cement Screed

DESCRIPTION

ARDEX A36 Abascreed is a factory proportioned premixed sand/cement screed for internal and external use. It is especially designed to achieve falls for water run-off and to economically level uneven floors prior to tiling or waterproofing.

TO SUBSTRATES

Concrete floors, fibre cement sheets, timber floors (internal)

SUBSTRATE PREPARATION

Surfaces must be free from dust, oil, grease and all loose contaminating materials. Alternatively, use a separating layer (heavy-duty plastic sheet) to isolate the background from ARDEX A36. Ensure surfaces are dry with no residue or permanent damp.

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 should be removed from the surface prior to tiling. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key. The concrete should have adequate surface profile (e.g. broom finish) to provide a mechanical key. Smooth surfaces and/or dense concrete greater than 35MPa must be mechanically roughened.

Fibre-Cement Sheets

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

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 A36.

MIXING

ARDEX A36 powder is added to clean water in a clean container and mixed thoroughly to give a moist semi-dry mix for optimal application. A 20kg bag of ARDEX A36 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 container and add ARDEX A36, mix thoroughly to achieve a firm paste consistency.
2. Alternatively, create a mound of ARDEX A36, form a cavity in the centre and fill with required amount of water. Fold the powder over the water and combine until a firm, consistent mix is achieved. Do not apply at temperatures below 10°C.

APPLICATION

A minimum thickness of 10mm is recommended when using diluted ARDEX Abacrete instead of water; 15mm when mixed with water. For a thickness greater than 40mm, reinforcing mesh is required.

1. Using a roller, paint brush or a flat trowel, coat the prepared area with a slurry of 2:1 neat cement: ARDEX Abacrete to improve adhesion of ARDEX A36 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). Tape overlapping 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 lay in the mesh and apply the second layer of A36. Do not lay the mesh directly onto the substrate. ARDEX A36 should be left with a wood float finish to create a key for tiling and waterproofing.

DRYING TIME

ARDEX A36 is trafficable after 24 hours at 23°C and 50% relative humidity with an initial set time of 3-5 hours. Tiling and waterproofing to take place after 7 days (23°C and 50% R.H.) Drying times will vary depending on humidity, surface temperature and porosity of substrates.

COVERAGE

20kg of ARDEX A36 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 A36 (depending on minimum bed thickness).

CLEAN UP

All tools should be cleaned with water immediately after use.

SHELF LIFE

ARDEX A36 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 A36 is setting (3 - 5 hours @ 23°C and 50% relative humidity).

Do not add sand as this will lower performance. Reinforce ARDEX A36 with galvanised mesh in the following cases:

- screeds over 40mm
- when used in conjunction with a separating layer eg, heavy-duty plastic sheet
- for all framed construction (e.g, F/C sheets over joists).

ARDEX A36 must be mixed with ARDEX Abacrete when used over timber substrates.

A minimum thickness of 40mm is required when ARDEX A36 is unbonded i.e, over a separating layer such as heavy-duty plastic sheet; 15mm where screed is bonded directly; 10mm when mixed with ARDEX Abacrete.

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.

Keep damp with water for at least 7 days to reduce shrinkage stresses whilst curing.

TECHNICAL DATA

Colour:	Coarse Green Powder	
Mixing Ratio:	2.0L water per 20kg of 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	20.2MPa	22.6MPa
Flexural Strength	4.0	5.5

SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. In case of contact with the eyes rinse with running water (15mins) including removal of contaminated clothing. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/ fume/ gas/mist/ vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

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Fax: (03) 3849779
Email: info@ardex.co.nz
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