



ARDEX A38

Rapid Set Engineered Screed Cement

Fast track – Ready to receive tiles, natural stone and Terrazzo tiles after 8 hours

Ready to receive resilient and textile floor coverings and parquet after 2 days

For interior and exterior use

Dimensionally stable

Working time up to 60 minutes

ARDEX Australia Pty Ltd

20 Powers Road

Seven Hills NSW 2147

Phone: 1300 788 780

Email: technicalservices@ardexaustralia.com

www.ardexaustralia.com

ARDEX New Zealand Ltd

15 Alfred Street, Onehunga

Auckland, New Zealand 1061

Phone: 0800 227 339

Email: info@ardexnz.com

www.ardex.co.nz

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Rapid Set Engineered Screed Cement

DESCRIPTION

ARDEX A 38 is a rapid set screed cement that has been designed for all types of floor coverings and is especially effective when installing moisture sensitive coverings. In addition it is compatible with ARDEX's decorative flooring range.

AREAS OF APPLICATION

ARDEX A 38 can be used for internal and external applications under various floor coverings.

The screed can be used as a:

- Bonded screed
- Un-bonded screed (on a slipsheet or insulating layer)
- Heated screed

For the installation of:

ARDEX Decorative Flooring Range

Tiles

Natural Stones

Terrazzo

Resilient and textile floor coverings

Parquet

Ready to receive tiles, natural stone and Terrazzo tiles after 8 hours. Ready to receive resilient and textile floorcoverings and parquet after 2 days.

MIXING INSTRUCTIONS

Using horizontal forced action mixers or screed pumps, mix 20kg ARDEX A 38 with 100kg ARDEX Gravel Mix 0 – 4mm; gradually add 9.5 – 11L of clean water (mixing water may vary depending on the moisture content of the Gravel Mix). Mixing time is 2 minutes.

It is important not to overfill the mixer above the recommended volume. Ideally, the mixing drum should only be filled up to $\frac{3}{4}$ of the volume. Overfilling of the drum will result in poor mixing.

The total amount of mixing water to be used must not exceed 11 litres per bag of ARDEX A 38. Do not add any additives such as compound oils etc and do not mix with other cements. The working time of the ARDEX A 38 is approximately 1 hour depending on site conditions.

Mixing, application, levelling and smoothing must succeed each other within 10 minutes. The areas should only be of such a size that they can be completed within this working time.

Higher temperatures shorten, whilst lower temperatures lengthen working and hardening times.

APPLICATION

For bonded screeds and to ensure maximum bond to the substrate, a slurry mix has to be produced. ARDEX A 38 and ARDEX Gravel Mix 0 – 4mm is mixed at 1:1 ratio and then mixed with ARDEX P51 and water at 1:1 ratio. The slurry then has to be applied with A 38 screed wet on wet to the primed substrate.

The fast drying properties of the screed need to be observed. If in doubt install a test area. Do not apply at temperatures below 5°C.

For application over floor heating systems, contact ARDEX Technical Service for more information.

THICKNESS

The nominal screed thickness for unbonded ARDEX A 38 mix is at least 40mm thick. When used under a Pandomo system, minimum thickness is 40mm and 45mm if floor heating system is installed. For a bonded screed thickness must be at least 15mm.

ARDEX A38 can be installed to any thickness in 50mm increments to ensure proper compaction. Refer to bonded screeds for application of the additional screed layers.

FLOOR COVERINGS

ARDEX A 38 can be walked on and is ready to receive tiles after 8 hours. Pandomo products and ARDEX smoothing cements should be applied after 24 hours. Since the final strength has not been achieved after this time, placement of heavy loads such as pallets with tiles and heavy machines should be avoided.

The surface is ready to receive resilient floorcoverings which is normally the case after 2 days.

COVERAGE

A 20kg bag of ARDEX A 38 mixed with 100kg of ARDEX Gravel Mix will cover approximately 6.5m² per 10mm of thickness.

STORAGE

ARDEX A 38 has a shelf life of 12 months if stored in dry conditions in the original unopened packaging.

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HEALTH AND SAFETY

ARDEX A 38 contains Portland cement and quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse affected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear and rinse mouth with running water. If symptoms persist, seek medical advice.

TECHNICAL DATA

Bulk density	approx. 1kg/L
Fresh mortar weight	approx. 2kg/L
Material requirement	approx. 3.1kg of powder/m ² and 10mm
Working time	approx. 60mins
Walkability	approx. 8hrs

Compressive strength

After 1 day	approx. 20 MPa
After 3 days	approx. 30 MPa
After 28 days	approx. 35 MPa

Tensile bending strength

After 1 day	approx. 4.0 MPa
After 3 days	approx. 4.5 MPa
After 28 days	approx. 5.0 MPa

Suited for floor heating

Yes

GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (also referred to as “our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of application of the product if such application occurs within this product’s specified shelf life. 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 the cost of such replacement or repair, 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 and faulty workmanship on the part of any installer or applicator of the product. If you wish to make a claim under this guarantee you must notify us (address: 20 Powers Road, Seven Hills NSW 2147 Australia; toll no: 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 and to undertake any inspections and tests necessary to establish your rights under this guarantee. 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 of 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”.

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DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent 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 Standard, our instructions are recommendations and only for the uses they are intended. 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 effect 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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This data sheet was issued in September 2018 and is valid for 3 years. In some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Fax: 1300 780 102
Email: technicalservices@ardexaustralia.com
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ARDEX New Zealand Ltd

15 Alfred Street
Onehunga, Auckland 1061
Phone: 0800 227 339
Fax: (03) 384 9779
Email: info@ardexnz.com
www.ardex.co.nz