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# ARDEX A48

## Rapid Set Engineered Screed Mix

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Fast track. Ready to receive tiles and non moisture sensitive natural stone after 4 hours

Ready to receive Ardex smoothing cements after 24 hours & resilient/textile floor coverings after 48 hours

Premixed cement and aggregate for simple onsite installation

For interior and exterior use

Dimensionally stable. Tension and shrinkage free

Can be used in bonded and unbonded applications

Working time 60 minutes



Products with ARDURAPID Plus will include the added benefit of being able to be used externally.

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# ARDEX A48

## Rapid Set Engineered Screed Mix

### DESCRIPTION

ARDEX A48 is a rapid set engineered screed that has been designed for all types of floor coverings and is especially effective when installing moisture sensitive coverings. The rapid cure allows floor coverings to be installed quicker than regular sand and cement or non engineered screed.

### AREAS OF APPLICATION

Internal and external

To produce an engineered flooring base that improves on-site efficiencies by allowing traffic shortly after application and laying of the floor covering on the same day. The screed can be used as a:

- bonded screed
- unbonded screed (on a slipsheet)
- floating screed (insulating layer)
- heated screed

For the installation of:

- Tiles
- Natural Stones
- Terrazzo
- Resilient and textile floorcoverings
- Parquet
- ARDEX WPM 750 Undertile Butynol waterproofing system
- Undertile waterproofing membranes

### MIXING INSTRUCTIONS

Use 1.8L of clean water per 20kg bag of ARDEX A 48 powder. Pour the powder slowly into a clean bucket containing the water while continually mixing with a heavy duty, low speed mechanical paddle mixer.

The mortar can also be prepared with standard forced action mixers or screed pumps.

### APPLICATION

For bonded screeds a slurry with ARDEX P 51 or ARDEX Multiprime has to be produced. ARDEX A48 is mixed with ARDEX P51 and water in the ratio 1:1. The ARDEX A 48 or ARDEX Multiprime screed mix then has to be applied wet on wet to the slurry coat.

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.

Application on a floor heating system:

When using ARDEX A48 on an under floor heating system the waiting time until floor coverings are able to be installed can be reduced.

Please read in conjunction with Technical Bulletin TB029 for further information on floor heating systems.

### FLOOR COVERINGS

ARDEX A48 is ready to receive:

Tiles: 4 hours

Smoothing cements: 24 hours

ARDEX Undertile Butynol: 24 hours

ARDEX approved liquid undertile membranes: 48 hours

Resilient/Textile/Parquet: 48 hours

Since the final strength of the screed has not been achieved after this time, placement of heavy loads such as pallets with tiles and heavy machines should be avoided.

Based on the finished surface of the ARDEX A48 resilient floorcoverings often require a thin application of smoothing cement.

### COVERAGE

A 20kg bag of ARDEX A48 will cover approximately 1m<sup>2</sup> per 10mm of thickness.

### PACKAGING

ARDEX A48 is packed in polylined paper sacks – net weight 20kg.

### SHELF LIFE

ARDEX A48 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:

The nominal screed thickness for unbonded ARDEX A48 is at least 35 mm; and preferably 40mm thick. Maximum thickness is 70mm. For a bonded screed it must be at least 15 mm and a maximum of 50mm. Heated floors need a minimum of 45mm over the heating element. Consider the quality of the substrate and the use of the finished surface when determining the requirement of the screed depth, contact ARDEX Technical Services for further information.

### 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 (15 mins) 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](http://www.ardexaustralia.com)

### TECHNICAL DATA

**Bulk density:** approx 1.7kg/L

**Fresh mortar Density:** approx 2kg/L

**Material requirement:** 20kg of powder per m<sup>2</sup> t 10mm of thickness

**Working time:** approx 60 mins

**Walkability:** approx 4 hours

### Compressive Strength (approx)

**after 1 day:** 20 MPa

**after 7 days:** 30 MPa

**after 28 days:** 35 MPa

### Tensile bending strength:

**after 1 day:** 4.0 MPa

**after 7 days:** 4.5 MPa

**after 28 days:** 5.0 MPa

### Suited for

**floorheating:** Yes

**Mixing Ratio:** 1.8L/20kg

### Toll Free Technical Services:

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Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.

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This datasheet was issued in **September 2018** and is valid for 3 years. In some instances the datasheet may be updated and a newer version may be published within this 3 year period. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.