



ARDEX A48

Rapid Set Screed Mix

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

Ready to receive ARDEX Undertile Butynol WPM 750 after 24 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



What is ARDURAPID Plus?

ARDURAPID technology chemically utilises the mix water in building a reinforced crystalline structure guaranteeing a shrinkage free high strength surface.

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ARDEX A48

Rapid Set Cement Screed Mix

DESCRIPTION

ARDEX A48 is a rapid set cement screed preparation 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 screeds.

AREAS OF APPLICATION

Internal and external

To produce a screed 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 slip sheet)
- Floating screed (insulating layer)
- heated screed

For the installation of:

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

MIXING INSTRUCTIONS

Use 1.8L of clean water per 20kg bag of ARDEX A48 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 has to be produced. ARDEX A48 is mixed with ARDEX P51 and water in the ratio 1:1. The ARDEX A48 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.

The heating is applied to produce a temperature of 25°C which must be maintained for 3 days. Then the maximum temperature of the system is set and maintained for a further 2 days. Draughts should be avoided over the (sub) floor.

FLOOR COVERINGS

ARDEX A48 is ready to receive:

- Tiles: 4 hours
- ARDEX Undertile Butynol: 24 hours
- Smoothing cements: 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.

To check whether the surface is ready to receive resilient floorcoverings, which is normally the case after 48 hours, moisture tests are recommended to confirm that the relative humidity is <70%. Based on the finished surface of the ARDEX A48 these types of applications often require a thin application of smoothing cement.

COVERAGE

A 20kg bag of ARDEX A48 will cover approximately 1m² 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

TECHNICAL DATA

Bulk density: approx 1.7kg/L

Fresh mortar Density: approx 2kg/L

Material requirement: 20kg of powder per m² and 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: Y

Mixing Ratio: 1.8L/20kg

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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 Standard, our instructions and recommendations and 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 being employed and other products in that 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 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.

This datasheet was issued in **June 2016** 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 for the latest technical data from ARDEX Australia Pty Ltd.