



ARDEX WR 31

Pre-mixed Jointing & Patching Mortar and Key Coat for Non-porous Substrates

Excellent adhesion to dense and non-porous substrates

Suitable for internal and external applications

Jointing compound for jointing system of FC Sheet & Blueboard prior to rendering

Effective patch repair of existing render to a depth of up to 5mm

Ideal for non-porous substrates to provide better key for subsequent render coats.

Superior workability, is easy to apply and can be worked to desired finish

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Fax: 1300 780 102
Email: technicalservices@ardexaustralia.com
Internet: www.ardexaustralia.com

ARDEX New Zealand Ltd

32 Lane Street
Woolston, Christchurch 8231
Phone: 0800 227 339
Fax: (03) 3849779
Email: info@ardexnz.com
Internet: www.ardex.co.nz

ARDEX WR 31

Pre-mixed Jointing & Patching Mortar and Key Coat for Non-porous Substrates

DESCRIPTION

ARDEX WR 31 is a 3-in-1 fine-grade jointing and patching mortar and key coat. It is suitable for jointing fibre-cement sheet and blueboard prior to rendering, and patching cracks and holes of existing render to a depth of up to 5mm. ARDEX WR 31 can also be used as a key coat for non-porous and flexible substrates prior to rendering. It can be applied over the following substrates:

- Concrete walls
- Existing Render
- Blueboard
- Fibre-cement Sheet

SURFACE PREPARATION

Clean off dust, oil, grease and all loose contaminating materials or coatings including release agents and curing compounds. Green concrete should be allowed to cure for 28 days prior to rendering.

APPLICATION

Jointing Compound for Fibre-Cement Sheet and Blueboard

Always refer to sheet manufacturer's instructions for the jointing of all fibre-cement sheet and blueboard.

1. Apply ARDEX WR 31 to the sheet joint with a steel trowel.
2. Whilst ARDEX WR 31 is still wet, lay appropriate joint tape into the jointing compound.
3. Apply a second coat of ARDEX WR 31 over the taped joint and ensure the surface is levelled out to a feathered edge whilst the compound is still wet.
4. After 4-8 hours, depending on ambient conditions and application thickness, the joint finish can be lightly sanded to level off any excess jointing compound along the joints (After 7 days when the render has reached full cure, it will no longer be suitable for sanding).

Patching Compound for Cracks and Holes.

1. Open up cracks by running the edge of a trowel or spatula along the crack and remove any loose particles or dust.
2. Apply ARDEX WR 31 to the crack or hole in the existing render using a steel trowel.
3. Ensure the surface is levelled out to a feathered edge whilst the compound is still wet.
4. After 4-8 hours, depending on ambient conditions and application thickness, the patched area can be lightly sanded to level off any excess patching compound prior to painting. (After 7 days when the render has reached full cure, it will no longer be suitable for sanding).

Note: Cracks or holes with a depth greater than 5mm will require additional coats of ARDEX WR 31. Additional coats may be applied after 4-6 hours when the previous coat has sufficiently hardened. Minor shrinkage cracking especially in hot conditions may occur; however, it will not affect the integrity of the repair.

Key coat for Non-porous Substrates

1. Clean off dust, oil, grease and all loose contaminating materials or coatings.
2. Apply key coat with ARDEX WR 31 at an application thickness of 1mm.
3. A subsequent coat of ARDEX WR 100 or ARDEX WR 60 may be applied after 4-8 hours depending on ambient conditions and application thickness.

DRYING TIME

When used as a jointing compound, the base coat of render may be applied after 4-6 hours. When used as a patching compound, subsequent coats may be applied after 4-6hrs and the surface will reach full cure after 7 days. Before application of a decorative finish (i.e. paint or façade membranes such as ARDEX WPM 310 and WPM 330) allow the ARDEX WR 31 to cure for a minimum of 1 day for each 2mm thickness of the patched render. Cold, damp or humid

conditions may lengthen the drying time. It is recommended that the finished surface is overcoated with a quality acrylic paint to protect the finished surface from dust and wind borne contaminants that can adversely affect the appearance and longevity of the surface.

COVERAGE

Coverage will vary depending on the condition of the surface and site conditions. As a guide, 10 litres will cover:

- 10m² at 1mm thickness
- 6.5m² at 1.5mm thickness
- 2m² at 5mm thickness

CLEAN UP

Clean all tools in warm water immediately after use.

SHELF LIFE

12 months when stored in a dry place, in original unopened packaging.

Pay attention to the following:

ARDEX WR 31 is not suitable for use over floors. Do not apply in temperatures below 5°C or above 35°C or in extreme conditions such as high wind or direct sunlight. Shelter from rain and moisture for 24 hours after completion. Do not apply in swimming pools. Do not add additional water to the product.

SAFETY PRECAUTIONS

This product is considered non-hazardous in normal usage. Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and eye protection and keep the product out of the reach of children. If swallowed do not induce vomiting, give a glass of water and contact a doctor. For further material safety data, consult the latest Material Safety Data Sheet.

TECHNICAL DATA

Product Characteristics

Colour Grey creamy paste

Application Properties

Touch Dry 1-2 hours
Recoat Time 4-8 hours
Full Cure 7 days

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 and recommendations are 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 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.

© ARDEX Australia Pty Ltd 2015.

All aforementioned products are the trade marks of ARDEX Australia Pty Ltd, its licensors and affiliates.

ARDEX Australia Pty Ltd

Phone: 1300 788 780
Fax: 1300 780 102

Toll Free Technical Services:

1800 224 070 (Australia)

ARDEX New Zealand Ltd

Phone: 0800 227 339
Fax: (03) 3849779

July 2015