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# ARDEX RA030

## **One Component, Moisture-Curing Expansion Joint Sealant**

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No bubble formation or foaming during installation on damp surfaces

Excellent primerless adhesion to most substrates

Excellent weathering and UV stability

Movement capability: +/- 35% of joint width

No Isocyanates, solvents, halogens or acids

Non-sag - Perfect for vertical and overhead repairs

Can be painted over

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# ARDEX RA 030

## One Component, Moisture-Curing Expansion Joint Sealant

### DESCRIPTION

ARDEX RA 030 is a one-component, moisture curing, professional grade, elastomeric, polyether expansion joint sealant. It has excellent bond strength to most porous and non-porous substrates without the use of a primer. ARDEX RA 030 is non-sag and may be applied on vertical and horizontal surfaces.

### GENERAL USES AND APPLICATIONS

- Expansion joints with anticipated movement up to 35%
- Joint sealing in pre-fabricated and tilt-up buildings
- Sealing between window and door frames
- Sealing moving cracks, not exposed to heavy traffic

### ADVANTAGES AND FEATURES

- No bubble formation or foaming during installation on damp surfaces
- Excellent primerless adhesion to most substrates
- Excellent weathering and UV stability
- Can be painted over
- Movement capability: +/- 35% of joint width
- No Isocyanates, solvents, halogens or acids
- Non-sag formulation provides versatile application options
- No offensive odour
- Service temperature range -40°C to 90°C

### JOINT PREPARATION

#### Expansion Joints:

Joint must be clean, free of dust and grease, and free of chipping paint. New concrete must be a minimum of 28 days old. When applying to concrete which is not fully cured (green), all release agents must be removed and the bonding surface must be dry. All dust must be removed using pressurised moisture-free air or vacuum.

Minimum/Maximum width: 6mm/30mm  
Minimum/Maximum depth: 6mm/15mm

Joint should be twice as wide as it is deep (2 x depth = width). Do NOT bond joint material to the bottom of the joint. Use backer rod to control depth and maximise elongation.

#### Moving Cracks:

Crack must be clean, free of dust and grease, and free of chipping paint. For best results, route crack with a dry diamond blade. All dust must be removed using pressurised, moisture-free air or vacuum.

Minimum/Maximum width: 6mm/30mm  
Minimum/Maximum depth: 6mm/15mm

Do NOT bond joint material to the bottom of the crack. Use sand at the bottom of the crack to control depth and maximize elongation.

### INSTALLATION

Best results are obtained if the product is conditioned between 5 to 30°C. Substrate and ambient air temperatures should range between 5 and 30°C. ARDEX RA 030 is a moisture cure polyether chemistry and cures through the interaction with atmospheric moisture. Humidity must be a minimum of 35% RH for atmospheric curing conditions. In low humidity environments, the installed product can be misted with water to facilitate cure. ARDEX RA 030 will not foam in the presence of water. For best adhesion it is recommended that the surface be dry.

### JOINT DESIGN

Joint design is critical to the successful performance of the joint sealant. Joint movement can be attributed to temperature changes, moisture movement, vibration and the composition of the substrate materials themselves. When installing ARDEX RA 030 refer to project specifications and comply with the recommended joint width.

Use open cell backer rod to control the depth of the joint. ARDEX RA 030 is a non-sag, all purpose joint material and may be applied horizontally or vertically. Finished joints must be tooled to provide a concave finish to the joint surface. The concave finish provides functional compression of the joint without causing a raised joint.

Note: Horizontal moving joints require 1/2 depth to width (Vertical moving joints require equal depth to width)

### APPLICATION TEMPERATURE

Substrate and ambient air temperatures should range from 5 to 30°C. ARDEX RA 030 will perform in temperature from -40 to 90°C.

## CHEMICAL RESISTANCE

Prior to application, test all chemicals and cleaning agents under exposure conditions. ARDEX RA 030 has good chemical resistance to water, aliphatic solvents, mineral oils, grease, dilute inorganic acids and alkalis. Avoid aromatic solvents, concentrated acids, and chlorinated hydrocarbons.

## CLEAN UP

Always wear appropriate protective equipment such as safety glasses and gloves during cleanup. Clean uncured materials from tools and equipment with mild solvents. Cured material can only be removed mechanically.

## PACKAGING

ARDEX RA 030 is sold in a 600mL sausage.

## SHELF LIFE

12 months when stored in the original, unopened packaging.

## PLEASE PAY ATTENTION TO THE FOLLOWING

Should not be used as a structural sealant. May be painted with water or solvent-based paint; however, compatibility tests are recommended. Should not be used as a glazing sealant. Should not be used for continuous immersion applications. Do not apply to freshly treated wood (treated wood must age 6 months). Low temperatures and low humidity will extend cure time. Not recommended for adhesion to flexible PVC, butyl rubber, EPDM, or most plastics containing plasticiser, (it is recommended to perform a preliminary compatibility test when working with different substrates).

## SAFETY DATA

This product may be corrosive to metals. Harmful in contact with skin or swallowed. Causes severe skin burns and eye damage. For further material safety data, consult the latest Safety Data Sheet on [www.ardexaustralia.com](http://www.ardexaustralia.com).

## FIRST AID

If swallowed, drink plenty of water in small portions, do not induce vomiting and seek medical advice. In case of eye contact, rinse with plenty of clean water for at least 15 minutes and seek medical advice. If skin contact occurs, wipe off and wash skin with running water and soap. In case of inhalation, supply fresh air. Call the Poison Centre on 131 126 (Au) or

0800 764 766 (Nz) or call a doctor if you feel unwell.

## COVERAGE

Horizontal Coverage		
width (mm)	depth (mm)	Metres
6	6	14.7
13	6	7.3
19	10	3.3
25	13	1.8
30	14	1.3

Vertical Coverage		
width (mm)	depth (mm)	Metres
6	6	14.7
13	13	3.7
19	19	1.6
25	25	0.9
30	30	0.6

**TECHNICAL DATA**

<b>Colour</b>	Grey
<b>Skin Formation</b>	18 min @ 50% RH
<b>Tack Free Time</b>	60 min @ 50%
<b>Cure Time (6mm diameter bead)</b>	36-72 hours @ 50% RH
<b>Tensile Yield MPa</b>	1.8
<b>Elongation</b>	800%
<b>Movement Capability</b>	+/-35%
<b>Artificial Weathering</b>	No cracking
<b>Volatile Organic Compounds(VOC)</b>	<30g/L

**DISCLAIMER**

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. 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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