



ARDEX RA040

One Component, Polyurethane Based Joint Sealant

Excellent primerless adhesion to most substrates

Excellent weathering and UV stability

Non-sag - Perfect for vertical and overhead repairs

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ARDEX RA 040

One Component, Polyurethane Based Joint Sealant

DESCRIPTION

ARDEX RA 040 is a one-component, polyurethane based joint sealant. It has excellent bond strength to most porous and non-porous substrates without the use of a primer. ARDEX RA 040 is non-sag and may be applied on vertical and horizontal surfaces.

GENERAL USES AND APPLICATIONS

- Expansion joints with anticipated movement up to 25%
- 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

- Excellent primerless adhesion to most substrates
- Excellent weathering and UV stability
- Can be painted over
- Non-sag formulation provides versatile application options
- Service temperature range -30°C to 120°C

JOINT PREPARATION

Expansion Joints:

Joint must be clean, dry, 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. Moisture content of the concrete should not exceed 7%. All dust must be removed using pressurised moisture-free air or vacuum.

Minimum/Maximum width: 5mm/40mm
Minimum/Maximum depth: 5mm/25mm

For joints up to 15mm, depth should be equal to width. For joints up to 40mm, depth should be no more than 25mm. Do NOT bond joint material to the bottom of the joint. Use backer rod to control depth and maximise 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. Water affects the ARDEX RA 040 so joint edges must

be dry and ARDEX RA 040 must be protected from water unless chemical hardness has occurred. ARDEX RA 040 can be applied without the need to prime the substrate prior to the application of the sealant.

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 040, 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 040 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.

APPLICATION TEMPERATURE

Substrate and ambient air temperatures should range from 5 to 30°C. ARDEX RA 040 will perform in temperatures from -30 to 120°C.

CHEMICAL RESISTANCE

Prior to application, test all chemicals and cleaning agents under exposed conditions. ARDEX RA 040 is resistant to weak acids and alkalis ranging from 6-8 pH.

PACKAGING

ARDEX RA 040 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; 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 be 6 months old). Low temperatures will extend cure time.

SAFETY DATA

Flammable liquid and vapour. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Store in a well ventilated place. Keep cool.

For further material safety data, consult the latest Safety Data Sheet.

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. Call the Poison Centre on 131 126 (Au) or 0800 764 766 (Nz) or call a doctor if you feel unwell.

COVERAGE

width (mm)	depth (mm)	Metres
5	5	24
10	5	12
15	5	8
10	10	6
15	10	4
20	10	3
25	10	2.4
10	15	3.9
15	15	2.7
20	15	2
25	15	1.6
30	15	1.3
40	15	1
10	20	3
15	20	2
20	20	1.5
12.5	25	2
15	25	1.6

TECHNICAL DATA

Colour	Grey or white
Skin Formation	60 min @ 50% RH
Cure Time	24 hours for 2mm
Elongation	500%
Movement Capability	+/-25%
Shore A Hardness	25

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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