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# ARDEX RA 040

**One Component, Polyurethane Based Joint Sealant**

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Excellent weathering and UV stability

Excellent primerless adhesion to most substrates

Superior non-sag performance - ideal for vertical joint applications

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# ARDEX RA 040

## One Component, Polyurethane Based Joint Sealant

### DESCRIPTION

ARDEX RA 040 is a one-component, high performing polyurethane based joint sealant. With excellent primerless adhesion and non-sag performance the ARDEX RA 040 is ideal for both vertical and horizontal joint applications.

### USES

ARDEX RA 040 is generally used for sealing joints, junctions, penetrations, and sealing cracks prior to an approved ARDEX waterproofing membrane solution. Other uses include:

- Sealing between window and door frames
- Joint sealing in pre-fabricated and tilt-up buildings
- Expansion joints with anticipated movement up to 25%

### FEATURES

- Superior non-sag performance
- Excellent weathering and UV resistance
- Service temperature range -30°C to 120°C
- Excellent primerless adhesion to most substrates

### JOINT PREPARATION

By way of mechanical methods and vacuum cleaning as necessary, the joint surface must be clean, free of dust, grease, release agents, existing sealant, loose debris or any other contaminants which may affect adhesion. New concrete must be a minimum of 28 days old. New render must be a minimum of 7 days old.

### INSTALLATION

To allow for optimum sealant performance do not bond sealant directly to the bottom of the prepared joint. Use appropriate backer rod or self-adhesive bond breaker tape prior to application to avoid three sided adhesion and to control joint depth. Extrude the sealant into the prepared joint, ensuring complete adhesion to the joint sides and avoiding air entrapment.

For joints up to 5mm, depth should be kept equal to width. For joints >10mm, a width to depth ratio of 2:1 must be maintained at all times to maximise product performance.

Minimum joint width: 5mm

Maximum joint width: 40mm

Minimum joint depth: 5mm

Maximum joint depth: 25mm

Tool the sealant immediately after application. The use of tape along joint edges is suggested to create a neat finish, with the removal of tape within the sealants skinning timeframe.

### COVERAGE

WIDTH (mm)	DEPTH (mm)	LINEAL METERS
5	5	24
10	5	12
15	10	3.9
20	10	3
25	12.5	2.4
30	15	1.3
40	20	0.9

Note: when used as a fillet for external applications with approved ARDEX liquid applied membranes as per AS4654 - 15mm x 15mm = 2.7 lineal meters.

### TECHNICAL DATA

CHARACTERISTICS	TEST METHOD	NOMINAL VALUE
Colour		Grey
Curing method		Moisture curing
Tack free time		60 - 90 min
Curing time		2.5mm - 3mm @ 24hrs
Movement accommodation		±25%
Elongation	ASTM D214	>600%
Hardness (Shore A)	ASTM D2240	30 (@ 7 days)
Density (specific weight)	ASTM D792	1.25gr/cm <sup>3</sup> ±0.05
Solid content	ASTM D2369	96
Flash point	ASTM D93	>60°C
VOC	ASTM D3960	60g/L
Application temperature		5°C - 30°C
Service temperature		-30°C - 120°C

### PACKAGING

600mL foil sausage.

### SHELF LIFE

12 months when stored in the original, unopened packaging. Must be stored in a dry place at 23°C and 50% relative humidity.

### CLEAN UP

Clean all equipment with ARDEX WA 98 Solvent prior to the product drying. Cured product may need to be mechanically removed.

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### LIMITATIONS

Substrate temperature and ambient air temperature must be between 5°C - 30°C. Not designed for heavy foot trafficable or vehicle trafficable environments. Do not apply when rain is imminent. Protect installed product against water, snow, dew, and hail until fully cured. Contact with bitumen, tar, or plasticizer releasing materials must be avoided as this will cause sealant discolouration and possible loss of adhesion. Not suitable in aquariums, chlorinated environments (i.e., swimming pools), within continuous water immersion, or within waste water environments. Discolouration due to extreme prolonged temperatures/UV radiation may occur, but the change in colour will not affect the performance properties of the sealant.

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

### SAFETY DATA

Causes skin irritation. Combustible liquid. Causes serious eye damage. Suspected of damaging fertility. Suspected of damaging the unborn child. Toxic to aquatic life. Wear protective gloves, clothing, face and eye protection. Avoid inhaling dust/ fume/ gas/ mist/ vapours/ spray. Ensure adequate ventilation during application. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/physician/first aider. 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)

### GUARANTEE

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

### DISCLAIMER

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