
GENERAL CONSTRUCTION & CONCRETE REPAIR

2023 Product Guide



SYSTEM **ARDEX**
PREMIUM PERFORMANCE

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THIS IS ARDEX

For more than 70 years, ARDEX has been the quality leader for an entire industry. ARDEX specialises in high quality construction materials for substrate preparation, floor levelling, waterproofing and the fixing and grouting of surface materials.

When it comes to floor levelling and adhesives, waterproofing membranes and decorative finishes, ARDEX is the brand of choice for installers and wholesalers.

ARDEX is an independent family-owned business, which means that, in our permanent efforts to achieve market-shaping innovations, we are able to retain our most important tradition: uncompromising quality.

Strong internal growth and intelligent acquisitions in foreign markets have put the ARDEX Group on the map with 71 subsidiaries, and over 3,900 employees in over 50 countries. It's no coincidence ARDEX is regarded as the premium partner in the building materials sector.





INNOVATION

Since it was founded in 1949, ARDEX has been known all over the globe as an innovative leader for specialist building products. As the inventors of self-levelling and smoothing compounds, ARDEX has a history of breakthrough innovations, that have driven and changed the market.

ARDEX products including Arditec, X 77, FG 8 Grout and WeldTec® are firmly established as benchmarks for use worldwide.

The heart of ARDEX product development is the central laboratory in Witten, Germany. This lab partners with centres of excellence around the world to ensure the consistent quality of the products and maximum responsiveness to local market needs.

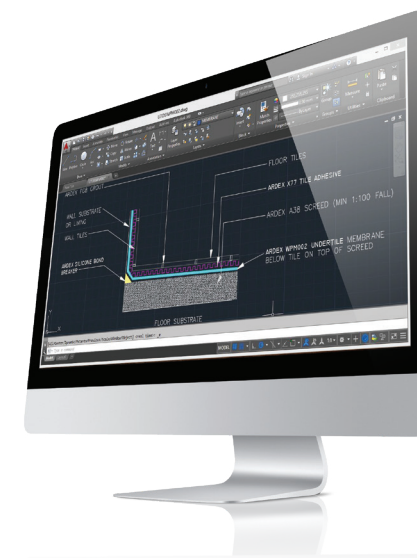
Innovation at ARDEX is not confined to research and development. It is an organic system comprising of cutting-edge customer insight research, close cooperation with associations and universities, and strong interaction between sales, marketing, technical services and purchasing.

SYSTEM ARDEX

ARDEX is committed to developing products that are easy to use and offer high performance. Each product is the careful result of research and development combined with the input of contractors and installers to ensure absolute product compatibility.

Our systematic global Stage Gate Process for the introduction of new products is designed to optimise speed to market as well as to ensure superior quality and reliability for our customers. On-site product testing is an integral part of that process.

ARDEX products, systems and services are designed to ensure professional contractors have the competitive advantage of a lower total cost of installation through superior performance.



As a longstanding partner to trade, we know the practical requirements first-hand. Our vast experience with materials and working methods and our constant dialogue with customers in skilled trades are our most important source of inspiration. We draw on this to develop product systems that command respect in the market place. Our systems are optimally matched and extremely cost-effective thanks to their ease and speed of processing and high coverage.



WARRANTIES

The major point of difference between a SystemARDEX™ warranty and other warranties is the extent of cover provided for the owner or builder. Most competitor product warranties cover only the replacement of the defective product. That is further reduced through a discounting structure based on years of service prior to the claim. And usually, no cover is provided for the costs incurred in removing the defective product and installing the replacement product.



A SystemARDEX warranty covers:

- The costs of repair to which the product is applied and damaged by removal of the defective product where such proves necessary.
- The cost of reinstating or repairing the product or system including material costs of equal or equivalent products.
- The costs of rectifying any material covering the product.

SystemARDEX™ warranty claims are NOT discounted by years of service of defective products or any damage to the surface or material.

The SystemARDEX™ Warranty is project specific and warrants that the SystemARDEX™ combination of products that forms the total system are free from defects, are 100% compatible and the system combination is suitable for the purpose intended.

ARDEX IS THE BRAND OF
CHOICE FOR SPECIFIERS
AND INSTALLERS GLOBALLY



TRAINING

Our industry, like any other, requires on-going training to keep up with changes in legislation, standards and materials. ARDEX offers training for both the applicator as well as staff.

For members of the construction industry committed to providing a high level of workmanship, ARDEX can help stay up to date, and increase both knowledge and confidence.

Training courses offered by ARDEX:

- CPD seminars for specifiers
- ARDEX undertile liquid waterproofing training
- ARDEX floor levelling training
- ARDEX WeldTec™ Membrane training
- ARDEX external waterproofing training - Butynol, TPO and Torch On
- ARDEX retail training

In order to encourage information exchange and creativity across borders, ARDEX strongly supports international career paths. We realise that we need the most talented people to maintain and extend our innovation leadership.

SUSTAINABILITY

Sustainability is a business principle at ARDEX where we focus on creating products of premium quality and functional performance, coupled with exceptional reliability and durability. In addition, sustainability is one of the cornerstones of our corporate philosophy. We demonstrate our commitment to the pillars of sustainability – environment, economic and social, in both our daily work, as well as our long-term goals.



Long before it became a buzzword, the concept of sustainability was already an integral part of the ARDEX corporate philosophy.

- High-coverage ARDEX products takes care of large surface areas with minimal material, cutting down on processing, transport and waste packaging.
- Reduce back-and-forth travel to the building site with ARDEX products providing fast, easy installation.
- ARDEX products are engineered for a long life, meaning less wastage and more saved resources.
- ARDEX's remedial and repair products are great for refurbishments - eliminating the need for a demolition and new build using up more resources.
- High-quality ARDEX sub-floor smoothing compounds create extremely even surfaces, meaning far less adhesive is required to affix the flooring.

SUPPORT SERVICES

The ARDEX support team is dedicated to eliminating guesswork, improving on-site efficiencies and taking the risk out of product and system installation.

For information on products, field support, customer service, training products or product demonstrations please contact us:

0800 227 339

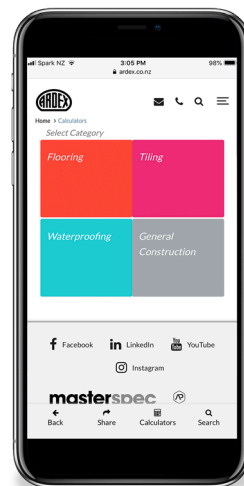
ardex.co.nz

Also visit our Facebook and Youtube pages for product news and updates, introduction to new products and access to our extensive video library.

 **facebook.com/ARDEXNZ**

 **youtube.com/ardexaustralia**

 **[@ardexnewzealand](https://instagram.com/ardexnewzealand)**



The ARDEX website is optimised for mobile devices and features an easy-to-use product calculator tool, as well as other helpful tools available in the palm of your hand. Scan the QR code below to access the ARDEX website on your mobile phone.



ardex.co.nz



ARDEX BR 340

LOW-RESISTIVITY PATCHING
AND REPAIR MORTAR
(INDENT ONLY)



ARDEX BR 340 is designed for reinstating concrete surfaces damaged through concrete spalling and other chemical or mechanical causes.

- Fibre reinforced
- Polymer modified
- Shrinkage compensated
- Contains active corrosion inhibitor

Typical use

- Reinstating damaged concrete surfaces
- In conjunction with ARDEX BRX 60 LO anodes for ultimate corrosion control and cathodic protection

Location

- External or internal
- Structural applications
- Vertical, horizontal, overhead

Resistivity <15,000Ωcm

Coverage 1.25m² at 10mm

Thickness 10 – 80mm

Drying Time Initial set: 45 – 60 mins
Final set: 60 – 90 mins

Code 20kg bag: 24611

ARDEX BR 345

HIGH-RESISTIVITY PATCHING
AND REPAIR MORTAR



ARDEX BR 345 is designed for reinstating concrete surfaces, specifically in situations where a high resistivity of the mortar is required.

- Fibre reinforced
- Polymer modified
- Shrinkage compensated
- Contains active corrosion inhibitor

Typical use

- Reinstating damaged concrete surfaces
- In areas requiring corrosion control and cathodic protection

Location

- External or internal
- Structural applications
- Vertical, horizontal, overhead

Resistivity >15,000Ωcm

Coverage 1.25m² at 10mm

Thickness 10 – 80mm

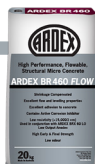
Drying Time Initial set: 45 – 60 mins
Final set: 60 – 90 mins

Code 20kg bag: 25475

STRUCTURAL CONCRETE REPAIR

ARDEX BR 460 FLOW

STRUCTURAL MICRO-CONCRETE



ARDEX BR 460 FLOW is a high performance, flowable repair mortar designed for reinstating horizontal concrete surfaces damaged through concrete spalling and other chemical or mechanical causes.

- Flowable, pourable
- Shrinkage compensated
- Contains active corrosion inhibitor
- High early and final strength

Typical use

- Reinstating damaged concrete surfaces
- Use in conjunction with ARDEX BRX 60 LO anodes for ultimate corrosion control and cathodic protection

Location

- External or internal
- Structural applications
- Vertical, horizontal, overhead

Resistivity <15,000Ωcm

Coverage 0.5m² at 20mm

Thickness 20 – 200mm

Drying Time Initial set: 5 – 8 hours
Final set: 6 – 9 hours

Code 20kg bag: 24543

ARDEX BRX 60 LO

SACRIFICIAL ZINC ANODES (INDENT ONLY)



ARDEX BRX 60 LO Low Output Anodes are for use within concrete where repairs due to reinforcement corrosion are required.

- 60g coated zinc
- Easy and fast installation - pre-coated in activation paste
- No wiring or external power source needed

Typical use

- Limiting corrosion rates of corroding bars embedded in concrete
- Used in conjunction with ARDEX BR 340 and ARDEX BR 460 Flow

Location

- Structural applications

Code 1 unit: 25304



CONSTRUCTION GROUT

ARDEX BG 90 GP

GENERAL PURPOSE
CONSTRUCTION GROUT



ARDEX BG 90 GP is a general purpose, high-strength, Class-A-Type construction grout that can be mixed to a non-slump or pourable mix and is suitable for a wide range of projects and applications.

- Versatile - Packable, pourable, pumpable
- Positive expansion in plastic state
- Shrinkage compensated in hardened state
- High strength (>70MPa after 28 days)

Typical use

- General purpose grouting applications
- Base plates, machine plates, equipment support
- Column bases (steel and precast concrete)
- Precast panel connections
- Underpinning
- Void filling and dry packing
- Conveyor supports

Location

- External or internal
- Structural applications

Thickness 12 – 100mm

Drying Time Stiff: 30 – 60 mins
Plastic: 3 – 4 hours
Trowelable: 1 – 3 hours

Code 20kg bag: 25104

ARDEX A 46

PATCHING AND REPAIR MORTAR



ARDEX A 46 is a rapid-setting slump-free mortar for external repairs. ARDEX A 46 is easy to use, mixes and trowels easily, and gives a smooth finish on both walls and floors.

- Quick drying - trafficable after 2 – 3 hours
- Easy to install - 2 – 30mm in one application
- Slump free

Typical use

- Repairing and resurfacing concrete subfloors and stair treads
- Patch repairs to walls and floors
- Creating ramps
- Forming coves
- Filling cracks

Location

- External or internal
- Above or below-grade applications
- Horizontal or vertical surfaces

Coverage	7m ² at 2mm
Thickness	2 – 30mm in one application
Drying Time	Initial set: 15 – 20 mins Light foot traffic: 2 – 3 hours Ready for coatings: 24 – 48 hours
Code	20kg bag: 25354

ARDEX A 30

FEATHER EDGE PATCHING COMPOUND



ARDEX A 30 is a slump-free patching compound that can be applied down to a feather finish. ARDEX A 30 dries fast through hydration to a virtually tension-free compound.

- Slump free
- Apply down to a featheredge
- Trafficable in 60 minutes

Typical use

- Filling cavities, holes
- Levelling and repairing steps and landings
- Filling uneven surfaces
- Patching repairs to walls and floors

Location

- Internal
- Above or below-grade applications
- Horizontal or vertical surfaces

Coverage	16m ² at 1mm
Thickness	0 – 20mm in one application
Drying Time	Initial set: 20 mins Light foot traffic: 1 hour Ready for coatings: 1 hour
Code	20kg bag: 11285

NON-STRUCTURAL CONCRETE REPAIR

SCREEDS

ARDEX A 48

RAPID-SETTING
SCREED MIX



ARDEX A 48 is a rapid-set cement screed designed for all types of floor coverings, and is premixed with aggregate for simple and fast onsite installation.

- Fast-cure - tile on top in 4 hours
- Premixed cement and aggregate
- Shrinkage and tension free

Typical use

- Bonded or unbonded screed applications
- Floating screed
- Heated screed
- Ideal for moisture sensitive floorcoverings

Location

- External or internal

Coverage	1m ² at 10mm
Thickness	Bonded: minimum 15mm Unbonded: minimum 35mm

Drying Time	Working time: 60 mins Walkability: 4 hours Ready for tiling: 4 hours Ready for smoothing cements: 24 hours Ready for textile floorcoverings: 48 hours
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Code	20kg bag: 13002
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ARDEX K 900 BF

BULK-FILL LEVELLING
COMPOUND



ARDEX K 900 BF is designed for levelling subfloors prior to applying surface coatings. ARDEX K 900 BF features a coarse sand aggregate and minimal flow for easy, efficient installations of thick layers.

- Strong - suitable for heavy traffic
- Pumpable using a suitable automatic mixing pump
- Economical - ideal for levelling up to 90mm thick

Typical use

- Levelling sub-floors prior to applying surface coatings
- Can be used as a fast-set mortar when water mixing ratio is reduced

Location

- Internal
- Horizontal surfaces

Coverage	1m ² at 10mm
Thickness	3mm – 90mm in one application

Drying Time	Trafficable: 4 hours (90mm) Ready for ARDEX Smoothing cements after 16 hours. Thicker layers may require longer.
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Code	20kg bag: 24954
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ARDEX WR PRIME

PERFORMANCE ENHANCING
POLYMER PRIMER AND ADDITIVE



ARDEX WR Prime is a polymer-modified, performance enhancing primer and additive for ARDEX BR mortars and other cement based construction products.

- Enhances bond strength of cement based products
- Increases flexibility when used as an additive
- Increases working time

Typical use

- As a primer to improve adhesion to cementitious surfaces
- As an additive to improve bond strength, flexibility, and drying time

Location

- External or internal
- Vertical, horizontal, overhead

Coverage 6m²/L

Code 15L: 23642

ARDEX WPM 300

WATER-BASED EPOXY
MOISTURE BARRIER



ARDEX WPM 300 is a two component water-based epoxy polyamide membrane/barrier coating which withstands hydrostatic pressure. ARDEX WPM 300 is ideal for application to green concrete or wet/damp surfaces.

- Can be applied to damp surfaces
- Suitable for application to green concrete
- Negligible odour

Typical use

- Low water vapour transmission coating
- Hydrostatic pressure resistant waterproofing membrane
- Waterproofing barrier on negative side of below grade surfaces
- Barrier seal coating over damp, green, or efflorescence producing concrete

Location

- External or internal
- Vertical or horizontal

Coverage As a moisture barrier: 30m²
As a barrier seal coating: 60m²

Drying Time Recoat: 4 hours
Full cure: 7 days

Code 20L kit: 8000021

PRIMERS, SEALERS AND BARRIER COATINGS

ARDEX WPM 163

WATER-RESISTANT PENETRATIVE SEALER



ARDEX WPM 163 is a one-component, water-based, urethane-modified, acrylic water-resistant protective sealer that penetrates and cures within the pores of the surface being sealed. Ardex WPM 163 is semi-permeable allowing the surface to breathe and is not a waterproof membrane that will resist ponding water.

Finish

- Semi-gloss going to matte with external exposure aging

Full Cure

- 7 days @ 25°C and 50% humidity

Colour

- Clear
- Water White

Coverage 15m²/L/coat

Code 10194



ARDEX RA 040

POLYURETHANE-BASED
JOINT SEALANT



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. Complies with NZBC E2/AS1.

- Easy to use - one component
- Non-sag
- Excellent primerless adhesion
- Suitable for temperatures from -30 – 120°C

Typical use

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

Location

- External or internal
- Vertical, horizontal, overhead

Elongation 500%

Movement Capability +/-25% of joint width

Coverage 24m at consistent 5mm Ø bead

Drying Time Skin formation: 1 hour
Cure time: 24 hours (2mm)

Code 600mL sausage: 24541

ARDEX RA 54

RAPID-CURING POLYUREA
JOINT SEALANT



ARDEX RA 54 is designed for filling joints in industrial floor applications receiving heavy-duty vehicle traffic.

- Rapid cure time - trafficable in 90 minutes
- Can be applied in temperatures down to -40°C
- Suitable for heavy-duty vehicle traffic
- Self levelling

Typical use

- Filling interior control joints
- Filling new construction saw joints
- Industrial flooring applications

Location

- Internal, or external where minimal thermal cycling will occur
- Horizontal surfaces

Elongation 82%

Movement Capability 10 – 12%

Coverage 3.1m for 3x25mm joint

Drying Time Shaving time: 45 min
Trafficable: 90 min

Code 627mL: 22778

JOINT SEALANTS

ARDEX CA 20 P

MULTIPURPOSE CONSTRUCTION ADHESIVE & SEALANT



ARDEX CA 20 P has high initial tack with a high bond strength that adheres virtually every building material. Works on dry or wet surfaces and even underwater.

Floor Coverings

- Vinyl
- Carpet
- Ceramic
- Stone
- Timber

Substrates

- Concrete
- Timber
- Metal
- Plastic
- Ceramic

Tile Types

Various, plus a wide range of other materials

Location

Permanent internal or external application

Surfaces

Walls and floors

Coverage

30-40ml/m

Working Time

Approximately 7-10 minutes

Codes

White: 10068
Black: 12923
Grey: 13371



ARDEX RA 142

HAIRLINE CRACK
STRUCTURAL INJECTION EPOXY



ARDEX RA 142 is a super low viscosity, two-component epoxy adhesive perfect for gravity-feed and pressure injection repair of hairline to fine width horizontal cracks.

- Ultra-low viscosity - suitable for cracks down to 0.05mm
- Solvent free
- Pressure injection and gravity feed structural crack repair
- Suitable as a tie coat new>old or new>new concrete

Typical use

- Repair of structural hairline to fine-width cracks
- Spall repair when mixed with aggregate to create an epoxy mortar
- Structural crack repair with Rhino Crack Lock

Location

- External or internal
- Vertical or horizontal
- Structural applications

Coverage 142m for 1x3mm crack

Crack Width 0.5mm – 3mm

Drying Time Full cure: 24 hours

Code 470mL: 22780

ARDEX RA 144

STRUCTURAL CRACK
INJECTION EPOXY



ARDEX RA 144 is a low viscosity, high modulus structural epoxy adhesive ideal for a variety of repair projects including horizontal gravity-feed repair of fine-medium sized cracks.

- Ideal for fine to medium width cracks
- Solvent free
- Exceptional bonding and sealing capabilities

Typical use

- Repair of structural fine-medium width cracks
- Spall repair when mixed with an aggregate to create an epoxy mortar
- Shear fracture repairs on interior and exterior concrete slabs
- Structural crack repair with Rhino Crack Lock

Location

- External or internal
- Vertical or horizontal
- Structural applications

Coverage 7m for 6x10mm crack

Crack Width 3mm – 6mm

Drying Time Full cure: 24 hours

Code 470mL: 22791

STRUCTURAL CRACK REPAIR

ARDEX RA 146

BLINDSIDE CRACK INJECTION EPOXY



ARDEX RA 146 is a thixotropic structural epoxy injection system ideal for repair of medium sized cracks and blindside cracks - when one side of the crack is not accessible.

- Ideal when one side of a crack is inaccessible
- Pressure-injection thixotropic gel
- Solvent free

Typical use

- Repair of structural medium-large width cracks
- Structural crack repair with Rhino Crack Lock
- Blindside crack repair

Location

- External or internal
- Vertical or horizontal
- Structural applications

Coverage 7m for 6x10mm crack

Crack Width 6mm – 10mm

Drying Time Full cure: 24 hours

Code 470mL: 22792

RHINO CRACK LOCK

CRACK BRIDGING STITCH



The Rhino Concrete Crack Lock is a revolutionary new product made of carbon fibre to improve concrete crack repair. Once installed, the Crack Lock permanently bonds both sides of the crack together.

- Prevents further cracking in concrete
- Increases seismic strength to repairs
- Non-corrosive and alkali resistant

Typical use

- Stopping and preventing further cracks in both structural and non-structural concrete
- For increasing seismic strength to repairs after earthquakes
- With ARDEX epoxy crack repair systems

Location

- External or internal
- Vertical or horizontal
- Structural applications

Code 20 stitches: 30440



CONSTRUCTION ADHESIVES

ARDEX RA 56

LOW VISCOSITY CRACK
REPAIR ADHESIVE



ARDEX RA 56 is an ultra-low viscosity, rapid curing, hybrid polyurethane adhesive and is ideal for concrete repair when minimal down-time is crucial.

- Ultra-low viscosity penetrates deep into cracks
- Trafficable in 60 mins
- Cures stronger than concrete

Typical use

- Repair of non-structural hairline cracks
- Spall repair with addition of aggregate

Location

- External or internal
- Non-structural applications

Elongation 5%

Drying Time Gel time: 2 – 3 mins
Tack-free time: 12 mins
Full cure: 60 mins

Code 254mL: 19930
627mL: 22779

ARDEX RA 88 PLUS

EPOXY REPAIR
ADHESIVE



ARDEX RA 88 is a multi-purpose, high performance ceramic blend epoxy adhesive. Although being a 2-component epoxy, ARDEX RA 88 is ready to apply and requires no mixing.

- Non-sag
- Ready to apply - no mixing needed
- Fast cure time
- Suitable for use in immersed applications

Typical use

- Repair adhesive for almost any material
- Repairing holes, spalls and cracks in concrete
- Repairing rotten wood
- Installing anchor bolts
- Repairing handrails
- Capping gel for ARDEX Crack Injection applications
- Structural crack repair with Rhino Crack Lock

Location

- External or internal
- Horizontal, vertical, overhead

Drying Time Gel time: 8 mins
Working time: 20 mins
Cure time: 2 hours

Code 254mL: 19927

ACCESSORIES

HEAVY DUTY SINGLE CARTRIDGE CAULKING GUN

Code: 13580



HEAVY DUTY DUAL CARTRIDGE CAULKING GUN

Code: 13581



INJECTION MIXING NOZZLE

3 Pack: 23615



NOZZLE FOR RA 54, 84, 88

3 Pack: 19972



NOZZLE FOR RA 56

3 Pack: 19973



INJECTION T PORT

25 Pack: 23617



The technical details, recommendations and other information contained in this catalogue 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 New Zealand Standard. Our instructions and recommendations are only for the uses they are intended.

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