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THIS IS ARDEX

For more than 60 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 53 subsidiaries, and over 3,000 employees in over 100 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 innovation 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 Arditex, X 77, Abaflex, 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. The 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 cutting-edge customer insight research, close cooperation with associations and universities, and strong interaction between sales, marketing, technical service 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 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 the 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.





ARDEX IS THE BRAND OF CHOICE FOR SPECIFIERS AND INSTALLERS GLOBALLY

WARRANTIES

The major point of difference between a SystemARDEX warranty and other warranties is the extent of the 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.

ARDEX 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 System ARDEX 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.



TRAINING

Our industry, like any other, requires ongoing 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 one of the defining issues of our time. Climate change and the global financial crisis have driven home the consequences of short-term goal action. Sustainable operations shape the future through environmental protection and sparing use of economic resources.



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

- High-coverage ARDEX products let you take care of large surface areas with a minimum of material, which cuts 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.

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 2 ARDEX

www.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.

www.facebook.com/ARDEXNZ

www.youtube.com/ardexaustralia

@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 BR 340



LOW-RESISTIVITY PATCHING AND REPAIR MORTAR

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	<10,000Ωcm
Coverage	1.25m² at 10mm
Thickness	10 – 80mm
Drying Time	Initial set: 30 – 45 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

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

Resistivity	>15,000Ωcm
Coverage	1.25m² at 10mm
Thickness	10 – 80mm
Drying Time	Initial set: 30 – 45 mins Final set: 60 – 90 mins
Code	20kg bag: 25475

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	$<11,000\Omega cm$
Coverage	0.5m ² 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**

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

- 60g 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

ARDEX RG 140 HP



HIGH PERFORMANCE **CONSTRUCTION GROUT**

ARDEX BG 140 HP is a high-performance, highstrength, Class-C-Type construction grout that can be mixed to a fluid, trowelable, or flowable consistency, and is suitable for a wide range of projects and applications.

- Superior compressive strength up to 90MPa after 28 days
- · Shrinkage compensated
- Versatile flowable, trowelable, and pumpable
- · Positive expansion in plastic and hardened state

Typical use

- · Applications where high compressive and flexural strength is critical
- Critical equipment base plates, machine bases, equipment support
- Column bases (steel and precast concrete)
- Precast panel connections
- Underpinning
- Conveyor supports
- Various precision grouting applications

Location

Code

- · External or internal
- Structural applications

Thickness	12 – 100mm
Drying Time	Fluid: 6 hours Flowable: 3 – 6 hours Trowelable: 1 – 3 hours

20kg bag: 30101





GENERAL PURPOSE CONSTRUCTION GROUT

ARDEX BG 90 GP is a general purpose, highstrength, 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 (>70 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

Code

- · External or internal
- · Structural applications

Thickness 12 - 100 mmStiff: 30 - 60 mins **Drying Time** Plastic: 3 - 4 hours Trowelable: 1 - 3 hours

20kg bag: 25104





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

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

Coverage	16m² 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



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

20kg bag: 13002

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

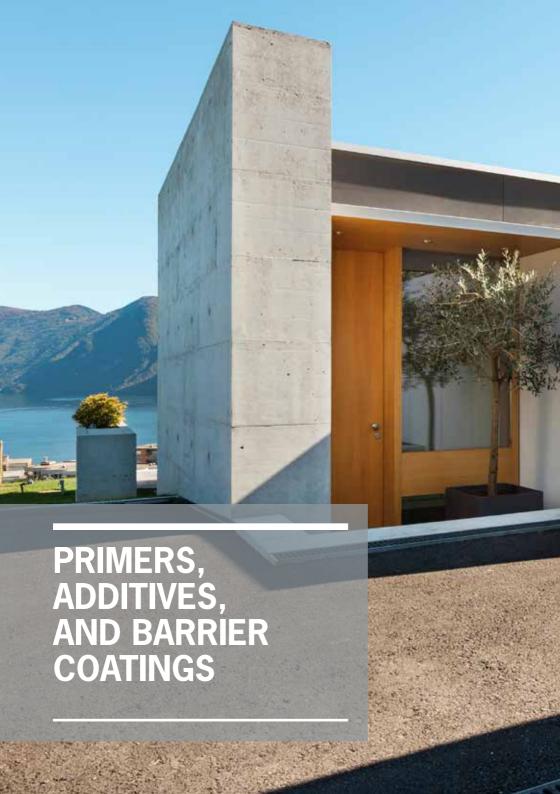
Location

- Internal
- · Horizontal surfaces

Coverage	1m² at 10mm
Thickness	3mm – 90mm in one application
Drying Time	Trafficable: 4 hours (90mm) Ready for coatings: 16 hours
Code	20kg bag: 24954

Code





ARDEX BR 10 ZP



ZINC RICH **PRIMER**

ARDEX BR 10 ZP is a zinc-rich, cold galvanising primer for long-term, extra heavy duty corrosion protection. Designed to prevent corrosion through galvanic protection by forming a protection barrier, encapsulating the metal in a zinc film.

- . Fast cure touch dry in 30 mins
- Single-part
- · Easy to apply

Typical use

• In highly corrosive environments (e.g. coastal environments) on structural steelwork

Location

- · External or internal
- · Industrial or marine environments

Coverage	9m²
Drying Time	Touch dry: 30 mins Recoat: 16 hours
Code	1L pail: 25472

ARDEX **WR PRIMF**



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

- · External or internal
- · Vertical, horizontal, overhead

Coverage	90m²
Code	15L: 23642

ARDEX BRP 30 EP



STRUCTURAL EPOXY **BONDING AGENT**

ARDEX BRP 30 EP is a two-component, highstrength, structural epoxy bonding agent specially formulated for bonding concrete and cementitious materials to existing concrete.

- Excellent adhesion to damp substrates
- · Solvent free
- · For use in conjunction with ARDEX BR Repair Mortars

Typical use

- Bonding bridge for ARDEX repair mortars
- Situations where the substrate is likely to remain wet
- · Repairs on bridges, roads, wharves, warehouses, factories

Location

- · External or internal
- Structural applications
- Vertical or horizontal applications

Coverage	5 – 9m²
Drying Time	Overlay time: >2 hours Full cure: 7 days
Code	1.75L kit: 26083

ARDEX **WPM 300**



WATER-BASED EPOXY **MOISTURE BARRIER**

ARDEX WPM 300 is a two component water based epoxy polyamide membrane/barrier coating.

- · 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
- · Waterproofing barrier on negative side of below grade surfaces
- Barrier seal coating over damp, green, or efflorescence producing concrete

- · External or internal
- Vertical or horizontal

Coverage	As a moisture barrier: 30m ² As a barrier seal coating: 60m ²
Drying Time	Recoat: 4 hours Full cure: 7 days
Code	20L kit: 8000021





EXPANSION JOINT SEALANT





POLYURETHANE-BASED JOINT SEALANT



ARDEX RA 030 is a moisture curing, elastomeric polyether expansion joint sealant. It has excellent bond strength to most substrates without needing a primer, and can be used on damp surfaces without bubbling or foaming during installation.

- · Good UV resistance
- Non-sag
- · Excellent primerless adhesion
- · Suitable for use on damp surfaces

Typical use

- Expansion joints up to 35% 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	800%
Movement Capability	+/-35%
Coverage	14m at consistent 6mm ø bead
Drying Time	Skin formation: 18 mins Tack free time: 1 hour Cure time: 36 – 72 hours
Code	600mL sausage: 24540

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.

- 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

- · External or internal
- · Vertical, horizontal, overhead

Elongation	500%
Movement Capability	+/-25%
Coverage	24m at consistent 5mm ø bead
Drying Time	Skin formation: 1 hour Cure time: 24 hours (2mm)
Code	600mL sausage: 24541



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

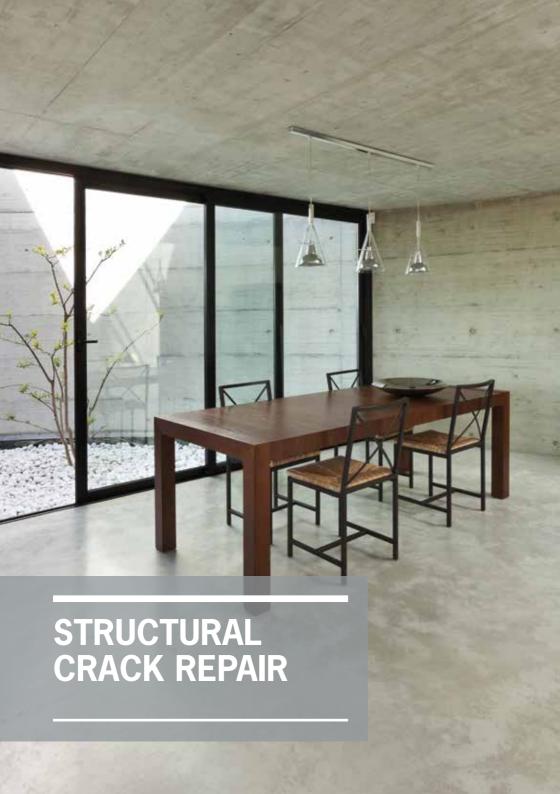
Typical use

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

- 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	650mL: 22778





HAIRLINE CRACK STRUCTURAL INJECTION EPOXY **ARDEX RA 144**



STRUCTURAL CRACK INJECTION EPOXY

ARDEX RA 142 is a super low viscosity, twocomponent 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

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 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

- 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 · 22701



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 developed 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







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

ARDEX RA 56





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

- · 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
	650ml · 22779



FAST-CURE ACRYLIC ADHESIVE

ARDEX RA 84 is a two-component, non-sag acrylic system used for anchoring and dowelling applications in uncracked concrete using threaded rod and rebar with an ultra-fast cure time.

- Full cure in under 30 mins
- Moisture-insensitive suitable for use on wet substrates
- · Styrene free
- Service temperature from -40 80°C

Typical use

- · Adhering dowel bars and tie bars for full-depth concrete repairs
- · Short-term tensile anchoring and shear loading
- · Bonding agent
- Capping gel for ARDEX Crack Injection applications

Location

- · External or internal
- · Suitable in water-saturated environments

Drying Time Working time: 5 min

> Full cure (dry concrete): 30 min Full cure (damp concrete): 60 min

300mL: 30509 Code

ACCESSORIES

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

Code: 13582



