
FLOORING AND SUBSTRATE PREPARATION SYSTEMS

2023 Product Guide



SYSTEM**ARDEX**
PREMIUM PERFORMANCE

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ARDEX HAS A HISTORY
OF BREAKTHROUGH
INNOVATIONS, WHICH
HAVE CHANGED THE
INDUSTRY

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 67 subsidiaries, and over 4,000 employees in over 50 countries. It's no coincidence ARDEX is regarded as the premium partner in the building materials sector.





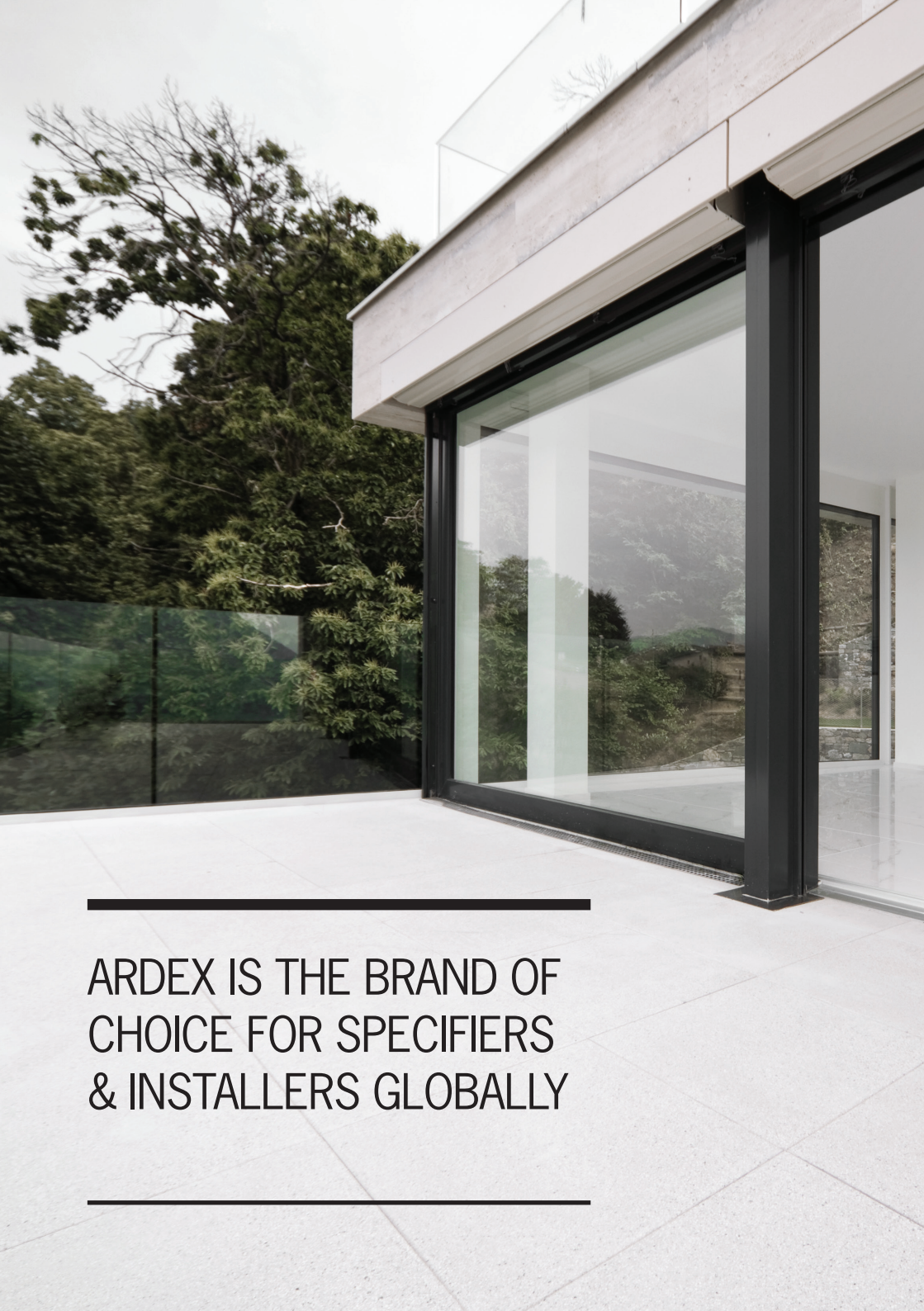
INNOVATION

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.



ARDEX IS THE BRAND OF
CHOICE FOR SPECIFIERS
& INSTALLERS GLOBALLY

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 forming 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 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.



ARDEX is committed to sustainability and has taken steps to reduce our carbon emissions, which has helped us achieve carbon reduce certification from Toitu Envirocare. ARDEX has a long-term plan in place to reduce carbon emissions and minimise climate impact. To measure progress Toitu conducts an annual audit of gross emissions. ARDEX is proud to be Toitu certified and to do our part for the environment.



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

info@ardexnz.com

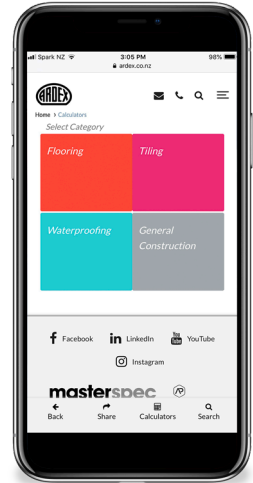
Also visit our Facebook, Instagram and Youtube pages for product news and updates, introduction to new products and access to our extensive video library.

 **facebook.com/ARDEXNZ**

 **youtube.com/@ardexnewzealand**

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

 **linkedin.com/company/ardex-new-zealand**



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



PRODUCT INFORMATION

ARDURAPID technology chemically utilises the mix water in building a reinforced crystalline structure guaranteeing a shrinkage free high strength system and virtually eliminating the risk of water staining.



MICROTEC technology is a unique binding matrix made up of exclusive ARDEX materials, special cements and polymers combined with high performance fibres which improves strength, reduces the effect of shear strain and stress on the flooring system.

FLOOR PREPARATION COMPARISON

	Description	Ready for Coverings	Application Thickness	External Application	Curing Technology
A 30	Patching & Ramping Compound	1 hour	0–20mm in one Application	No	Chemical Hydration
A 38	Rapid Set Screed Cement	Variable	Unbonded 35mm Bonded 15mm	Yes	Chemical Hydration
A 45	Internal Patching & Ramping	1.5 hours	2–30mm in one Application	No	ARDURAPID
A 46	External Patching & Ramping	From 24 hours	2 to 30mm	Yes	Chemical Hydration
A 48	Premixed Rapid Setting Screed Mix	Variable	Unbonded minimum 35mm. Bonded 15mm	Yes	Chemical Hydration
Arditex NA	Levelling with Flexibility	From 4 hours	Feather to 12mm 12–30mm with 2–5mm Aggregate	Yes, if covered by waterproofing	Chemical Hydration
Feather Finish™	Rapid Drying Smoothing	15 mins	3mm Feather Edge	No	ARDURAPID
Fine Finish	Finish Coat Smoothing Compound	20 mins	3mm Feather Edge	No	Chemical Hydration
K 65	Single Part Timber Floor Leveller	24-48 hours	3-20mm 20-50mm with aggregate	No	Chemical Hydration
K 900 BF	Bulk Fill Levelling	From 16 hours (for further smoothing compounds)	3mm to 90mm	Yes, if covered by waterproofing	Chemical Hydration
K 12 New	Levelling & Smoothing	From 18 hours	1.5 to 35mm	No	Chemical Hydration
K 15 Micro	Performance Levelling	16 hours	Feather to any depth	No	ARDURAPID
K 55	Rapid-Drying Levelling	1 to 2 hours	1mm to any depth. Can add Aggregate over 10mm	No	ARDURAPID
K 80	Industrial Levelling	24 hours	5 to 50mm	No	ARDURAPID
K 120	Economical Levelling	From 24 hours Vinyl 48 hours	2.5 to 12mm	No	Chemical Hydration
K 220	Commercial Levelling	From 24 hours	2 to 20mm	No	Chemical Hydration
K 301	External Levelling & Smoothing	From 24 hours	2 to 20mm	Yes	Chemical Hydration

Note: This is intended as a guide only (product applications and limitations). Current Technical Datasheets should be always be consulted to ensure that the product is fit for its intended purpose.



PRIMING, ADMIX, & SEALING

ACCESSORIES, MOISTURE
CONTROL & WATERPROOFING

ARDEX P 51

**POROUS
SUBSTRATE PRIMER**



ARDEX P 51 is a water-based primer, precoat, bonding agent and pore closer for concrete substrates. As a pore closer ARDEX P 51 prevents air bubbles rising from substrates and creating defects in the underlayments.

Application

Internal dry surfaces only

Coverage

- 6–10m²/L onto porous concrete
- Up to 150m²/5L container when diluted with 10L water

Dilute

1:2 parts with water

Drying Time

Min. 3 hours (max. 24 hours) depending on temperature, ventilation and substrate conditions

Packaging

5L containers

Code

10231

ARDEX P 82

**NON-POROUS
SUBSTRATE PRIMER (INDENT)**



ARDEX P 82 is a solvent free, two component synthetic resin primer and bonding agent for application of ARDEX Underlayments on dense and smooth substrates. Substrates include 35•MPa concrete, wood and wood-based panels, terrazzo, glazed and quarry tiles and steel decking.

Application

Internal dry surfaces only

Coverage

5–10m²/L onto non-porous concrete

Drying Time

Min. 3 hours (max. 24 hours) depending on temperature, ventilation and substrate conditions

Packaging

2kg kit

8kg kit

Code

10233

10157

Ordering

Available on indent only

Lead Time

12 Weeks Approx

ARDEX P 9

SINGLE PART PRIMER



A water-based primer used for improving the adhesion of ARDEX products to smooth, dense and various non-porous substrates.

It is easy to apply with a brush or roller with applications of subsequent products able to take place with minimal downtime.

Location

Internal or external

Substrates

- Compressed fibre-cement sheets
- Concrete, masonry and lightweight concrete blocks
- Autoclave aerated concrete (AAC)
- Existing glazed tiles (tiles to be de-glazed before priming)

Coverage

6–10m²/L when diluted

Drying Time

Approximately 20 minutes at 23°C and 50% relative humidity.

Packaging

4L Pail

Code

16778

ARDEX E 25

SYNTHETIC RESIN DISPERSION ADDITIVE



ARDEX E 25 is a liquid admixture designed to enhance tensile strength, improve surface toughness and increase flexibility of selected ARDEX compounds.

Used particularly with ARDEX K 15 in applications including levelling over tiles with P 82 primer or ARDEX WPM 300 moisture barrier. Also used in high traffic areas to resist indentations from heavy loads.

Application

For use with ARDEX K 15 Micro, K 12 new, K 120, K 220, K 900 BF and A 45.

Packaging

5L Jerry Can

Code

10230

ARDEX WPM 163

**PENETRATIVE
CONCRETE SEALER AND
INCONTINENCE BARRIER**



ARDEX WPM 163 is a clear water-based penetrative sealer for internal and outdoor concrete surfaces. Being very low in odour ARDEX WPM 163 is particularly suitable for incontinence barriers in health care institutions.

Location

Internal and external

Installation

Roll, brush or spray

Substrates

- Concrete
- Cement renders
- Sandstone
- Clay
- Concrete masonry
- ARDEX cementitious compounds including A 45, K 80 and K 15 Micro

Drying & Curing

- 1st coat 30–60 minutes
- Recoat after 60 minutes
- Accepts light traffic after 24 hours and fully cures in 7 days

Coverage

15m²/L/coat – Number of overcoats relative to substrate porosity and application.

Packaging

20L Pail

Code

10194

ARDEX R 21 PU

**CLEAR POLYURETHANE
ANTI-SCRATCH VARNISH**



ARDEX R 21 PU is a transparent, anti-scratch two-component aliphatic polyurethane coating suitable for finishing and protecting polymeric and concrete flooring, increasing resistance to scratching and abrasion, and providing outdoor stability and chemical resistance.

Location

Internal and external

Substrates

- Protective coating over ARDEX R 76 PU or ARDEX R 50 ES

Coverage

80-90g/m² per coat

Density

Approx. 1.1kg/L

Working Time

Approx. 50 minutes

Drying Time

- Touch Dry: 5 Hours
- Trafficable: 48 Hours
- Full Cure: 7 Days

Packaging

Part A 7.5kg

Part B 2.5kg

Code

38103

38104

MOISTURE CONTROL & WATERPROOF MEMBRANES

ACCESSORIES, MOISTURE
CONTROL & WATERPROOFING

ARDEX WPM 155 RAPID

**MODIFIED POLYURETHANE
WATERPROOFING MEMBRANE**



ARDEX WPM 155 Rapid is a water-based polyurethane-acrylic waterproofing membrane developed for high performance under-tile waterproofing.

- BRANZ Appraised (No. 472 & 473)
- Fast drying Polyurethane acrylic membrane
- Class III membrane – in accordance with AS 4858 requirements
- Meets New Zealand Green Building Council of Greenstar requirements MAT-4
- Rapid system used in conjunction with ARDEX STB Tape

Location

Internal and external wet areas, balconies, decks, and other areas that will be tiled or covered by vinyl.

Substrates

Concrete, renders and screeds, fibre cement, plasterboard, plywood*

Coverage

- Floors: 8.6m² (2 coats) D.F.T.** – 1.0mm
- Walls: 17.2m² (2 coats) D.F.T. – 0.5m

Colours

Blue Grey

Drying Time

- Recoat time: 1–2 hours
- Full cure: 3 days
- Ready to tile: 4–6 hours

VOC Content

42g/L

Packaging

5.3kg (4L) pail
20kg (15L) pail

Code

41064
40938

ARDEX WPM 002

**WATERPROOF
MEMBRANE**



ARDEX WPM 002 is a tough, rapid drying, two component waterproofing membrane specifically designed for use under tiles and vinyl.

- Rapid drying time – can be tiled over in 16–24 hrs
- Fibre reinforced – no need for reinforcing mat
- BRANZ Appraised (No. 472 & 473)
- Meets New Zealand Green Building Council of Greenstar requirements MAT-4

Location

Internal and external

Substrates

Concrete, renders and screeds, fibre cement, plasterboard, plywood*, ARDEX cementitious compounds including A 45 and K 15 Micro.

Coverage

- 40kg kit: covers approx. 16m² to 24m² (2 coats)
- Floors: 16m² (2 coats) D.F.T. – 1.2mm
- Walls: 24m² (2 coats) D.F.T. – 0.8mm

Colours

- Liquid: White
- Powder: Off White

Drying Time

- 1st coat: 1–2 hours
- 2nd coat: 4–6 hours
- Ready for overlay fairing coatings in 24 hours (depending on substrate, temperature & humidity)

Application

Roller or brush

Packaging

Part A Liquid: 20kg pail
Part B Powder: 1 x 20kg bag
Kit: Part A + Part B

Code

10595
10597
800082

*Not recommended for external applications.

** Dry Film Thickness

ARDEX WPM 300

**SUBSTRATE MOISTURE BARRIER
& GREEN SLAB PRIMER**



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

- Can be applied to damp surfaces
- Hydrostatic pressure resistant waterproof membrane
- Prevents rising damp and formation of efflorescence
- Water-based – safe to use in sensitive locations
- Meets New Zealand Green Building Council of Greenstar requirements MAT-4

Substrates

Brick, masonry, concrete block and stone.

Coverage

- Primer or efflorescence barrier: 3m²/L (1 coat)
- Moisture barrier: 1.5m²/L (2 coats)

Performance

Withstands 250kPa of hydrostatic pressure

Drying Time

- Recoat time: 4 hrs
- Full cure: 7 days

Application

Internal and external substrates

Packaging

4L kit
20L kit

Code

10207
8000021

ARDEX MC RAPID

**ONE-COAT MOISTURE
CONTROL SYSTEM**



A one-coat, 100% solids epoxy moisture management system formulated to suppress excessive moisture vapour emissions in new or existing concrete prior to installing an ARDEX underlayment with flooring. Ideal for fast-track installations. When installed in accordance with our written recommendations, ARDEX MC Rapid is suitable for moisture levels up to 98% rH at 40% depth of concrete level and in environments of up to pH 14.

Requires sand to be broadcast to create mechanical key.

Location

Internal

Substrates

Concrete

Coverage

16–18m²

Colours

Black

Drying Time

Walkable after 4 hours, and able to receive ARDEX levelling compounds after 4 hours.

Packaging

10kg kit

Code

12614

ARDEX PU 30

POLYURETHANE PRIMER & GREEN SLAB SEALER



ARDEX PU 30 is a one-component polyurethane primer and green slab sealer for use on internal and external porous and non-porous substrates. ARDEX PU 30 penetrates the surface of the substrate blocking capillary moisture up to 95% rH while strengthening and consolidating the surface up to 2mm in depth.

Location

Absorbent, smooth and dense surfaces such as concrete, green concrete, floor levelling compounds, fibre cement sheet, fibre cement sheet underlay, sheet timber, plaster, ceramic tiles and terrazzo floors.

Substrates

- Concrete
- Green concrete
- Floor levelling compounds
- Smoothing cement
- Fibre-cement sheets
- Sheet timber
- Plaster
- Ceramic tiles
- Terrazzo floors

Coverage

- When used as a primer: 110m²
- When used as a vapour barrier: 44m²

Drying Time

- 45 minutes for each layer of ARDEX PU 30.
- Allow a minimum of 2 hours for layers containing a sand broadcast.

Packaging

11kg container

Code

22390

HIGH PERFORMANCE SELF-LEVELLING & SMOOTHING

CEMENTITIOUS FLOOR
PREPARATION



ARDEX K 15 MICRO

**SELF-LEVELLING
& SELF-SMOOTHING
CEMENT**



ARDEX K 15 Micro is extremely versatile and is suitable for a wide range of substrates. It contains Ardurapid technology with Microfibre reinforcement which allows for high flow properties.

Location

Internal in above or below grade applications.

Substrates

New, existing or rough screeded concrete, rain damaged concrete which has been mechanically prepared, existing quarry and ceramic tile, steel decking (contact ARDEX Technical Services), timber floors (contact ARDEX Technical Services) and damp or moisture vulnerable concrete when used in conjunction with an ARDEX moisture control system.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber – parquetry and floating

Coverage

4m² at 3mm

Thickness

- Feather edge to any depth
- Can be bulk filled using 2–5mm aggregate

Drying Time

- Walkable in 2 hours
- Ready for floor in 16 hours

Packaging

20kg triple layered bag

Code

16632

ARDEX K 55

**ULTRA RAPID DRYING
SELF-LEVELLING
COMPOUND (INDENT)**



ARDEX K 55 is a rapid drying levelling and smoothing compound designed to level and smooth internal subfloors prior to applying floor finishes. It is perfect for rapid renovation and repair work as most floor coverings can be installed after 1 hour.

Location

Internal in above or below grade applications.

Substrates

Concrete, Ceramic*, terrazzo*, Power-trowelled (burnished) concrete* and High strength concrete* greater than 35MPa.

*Please refer to datasheet for more information.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber – parquetry and floating

Coverage

4.3m² at 3mm

Thickness

- 1mm to any depth
- Can add 2–5mm aggregate for thicknesses over 10mm

Drying Time

- Walkable in 45–60 minutes
- Ready for floor coverings in 1–2 hours

Packaging

20kg vacuum sealed bag

Code

53118

Ordering

Available indent order only

Lead Time

16 weeks approx



SPECIAL APPLICATION COMPOUNDS FOR INTERNAL LEVELLING & SMOOTHING

**CEMENTITIOUS FLOOR
PREPARATION**

ARDEX K 65

SINGLE PART TIMBER LEVELLER



ARDEX K 65 is an advanced fibre reinforced smoothing and levelling compound for internal use, featuring MICROTEC technology that is designed to rapidly smooth and level new and existing substrates prior to applying a floor finish.

Location	Internal
Substrates	<ul style="list-style-type: none"> • New and existing strip timber • Particleboard, plywood, concrete • Compressed fibre cement flooring, terrazzo, quarry and ceramic tiles • Concrete subfloors with electric under floor heating
Floor Coverings	Tiles (Ceramic, Porcelain), Carpet, Carpet tiles, Vinyl, LVT, Floating floors
Coverage	Approx. 1.4kg of ARDEX K 65 powder, per square metre, per millimetre.
Drying time	<p>Dependent on site temp, humidity, installation thickness and floor covering type.</p> <p>Walkable from approx. 2 hours. Conventionally laid carpet and floating floors can be installed after approx. 24 hours.</p> <p>Direct Stick applications, such as vinyl flooring, after 48 hours.</p>
Packaging	20kg: 38352

ARDITEX NA

UNIVERSAL SELF-LEVELLING SMOOTHING COMPOUND



ARDITEX NA is a self-smoothing, latex levelling compound with improved flow and excellent adhesion, flexibility and moisture resistance. These unique properties ensure that ARDITEX NA can be used over almost all subfloors without priming, including ceramic tiles, bitumen and flooring-grade plywood. A test area is to be applied, if pin-holing occurs then appropriate priming is required.

Location

- Internal and external
- External under approved waterproofing membranes

Substrates

New and existing concrete, damp or moisture vulnerable concrete, ceramic and quarry tiled floors, steel decks, timber floors (contact ARDEX Technical Services).

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Floating engineered timber

Coverage

4m² at 3mm

Thickness

- Feather edge to 12mm
- Bulk-fill 12–30mm with 2–5mm aggregate

Drying Time

- Walkable from 2 hours
- Ready for most floor coverings from 4 hours

Packaging

Kit containing:
20kg triple layer bag
4.8kg ARDITEX latex pail

Code

8000011

ARDEX K 120

LEVELLING & SMOOTHING COMPOUND



ARDEX K 120 is a levelling and smoothing compound designed to level and smooth internal sub-floors prior to applying floor finishes.

Location

Internal

Substrates

Internal, dry concrete substrates.

Floor Coverings

- Carpet
- Vinyl
- Ceramic
- Quarry tiles

Coverage

4m² at 3mm

Thickness

- From 2.5–12mm in one application without aggregate
- For thickness over 12–20mm, mix with a well washed and dried 2–5mm aggregate. Mix with water first then add the aggregate in equal volume to mixed mortar while mixing

Drying Time

- Allow approximately 2–3 hours at 23°C and 50% relative humidity, before foot traffic
- Conventionally laid carpet and floating floors can be installed after 24 hours
- Direct stick applications such as vinyl flooring after 48 hours. Allow longer for humid climates and low temperatures

Packaging

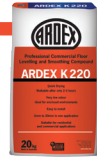
20kg bag

Code

24721

ARDEX K 220

LEVELLING & SMOOTHING COMPOUND



ARDEX K 220 is a levelling and smoothing compound designed to level and smooth internal sub-floors prior to applying floor finishes.

Location

Internal

Substrates

Internal, dry concrete substrates.

Floor Coverings

- Carpet
- Vinyl
- Ceramic
- Quarry tiles

Coverage

4m² at 3mm

Thickness

- From 2–20mm in one application without aggregate
- For thickness over 20mm, ARDEX K 220 can be applied to 30mm in one application when used with aggregate

Drying Time

- Allow approximately 2–3 hours at 23°C and 50% relative humidity, before foot traffic
- Conventionally laid carpet and floating floors can be installed after 24 hours
- ARDEX K 220 can also be used under direct stick engineered timber flooring at a minimum of 3mm with an approximate drying time of 72 hours

Packaging

20kg bag

Code

23240

ARDEX K 12 NEW

LEVELLING &
SMOOTHING COMPOUND



ARDEX K 12 New is designed for experienced commercial contractors to prepare large commercial and retail areas for carpet and vinyl installations. ARDEX K 12 New dries to a super smooth finish eliminating the need for mechanical sanding.

Location

Internal in above or below grade applications.

Substrates

New and existing or rough screed concrete, rain damaged concrete which has been mechanically prepared, existing quarry and ceramic tiles, steel decking (contact ARDEX Technical Services), timber floors (contact ARDEX Technical Services) and damp or moisture vulnerable concrete when used in conjunction with an ARDEX moisture control system.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber-parquetry (with the addition of ARDEX E 25) and floating

Coverage

4m² at 3mm

Thickness

- 1.5mm to 35mm
- Can be bulk filled using 2–5mm aggregate

Drying Time

- Walkable after 2 hours
- Ready for vinyl in 18 hours

Packaging

20kg triple layered bag

Code

16631

ARDEX K 900 BF

BULK-FILL
LEVELLING COMPOUND



ARDEX K 900 BF is a cement based underlayment for levelling subfloors prior to the application of a floor finish. Designed with a coarse sand aggregate and minimal flow for the easy and efficient installations of thick layers. It can also be used as a fast set mortar when the water mixing ratio is reduced.

Location

- Internal
- External if covered by waterproofing

Substrates

New, existing or rough screeded concrete.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber floors (contact ARDEX Technical Services)

Coverage

1m² at 10mm

Thickness

Can be applied from 3mm to 90mm thickness in one application.

Drying Time

90mm layer will harden after approx 4 hours at 23°C

Packaging

20kg triple layered bag

Code

24954

ARDEX ARDIPEG

SELF-LEVELLING PINS



ARDEX ARDIPEG is an inexpensive, time-saving option for mapping elevation requirements when using ARDEX Self-Leveling Underlayments and toppings.

Key Features

- 64mm pin
- Adhesive strip holds the pin securely in place during a pour
- Easy to cut plastic
- Convenient, easy-to-read measurements in millimetres

Installation

- Use a laser, transit or similar method to grid the floor
- Prep and prime the substrate
- Place and trim the pins to the appropriate height
- Install ARDEX Self-leveling Underlayment

Performance

- Sturdy material returns to its original upright position if stepped on or rolled over
- Pins become an invisible part of the matrix

Packaging

250 pieces per box

Code

12437

ARDEX DUSTFREE™

DUST-REDUCING UNIT FOR MIXING



When placed on a mixing barrel and connected to a standard shop vacuum, the ARDEX DUSTFREE™ will help eliminate dust.

Key Features

- Promotes cleaner, greener job site for improved working conditions
- Reduces airborne dust from mixing with drill
- Easy to use

Packaging

250 pieces per box

Code

23024





ARDEX A 30

SLUMP FREE FEATHER EDGE PATCHING COMPOUND



ARDEX A 30 is a slump free feather edge patching compound that is designed for internal filling of cavities, holes, unevenness and patching work in wall and floor areas. ARDEX A 30 dries fast through hydration to a virtually tension free compound.

Location

Internal above or below grade applications.

Substrates

New and existing concrete, concrete masonry or cement render and impervious surfaces primed.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber – parquetry and floating

Coverage

16m² at 1mm

Thickness

0–20mm in one application – Any thickness in well-defined areas.

Drying Time

- Sets in approximately 20 minutes
- Ready for floor coverings after approximately 60 minutes
- Walkable in 60 minutes

Packaging

20kg triple layered bag

Code

11285

ARDEX A 45

INTERNAL RAPID DRY REPAIR MORTAR



ARDEX A 45 is a rapid drying and rapid hardening slump free repair mortar. With exceptional hardness and shrinkage free finish, ARDEX A 45 is ideal for creating new ramps, forming coves, patch repairs, stairs, making good around penetrations and filling cracks. The surface can be smoothed when wet trowelled prior to final set suitable for the installation of floor coverings.

Location

- Internal

Substrates

New and existing concrete, concrete masonry or cement render and impervious surfaces when mixed with ARDEX E 25 and substrate primed with ARDEX P 82.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Timber – parquetry and floating

Coverage

12m² at 1mm

Thickness

- 2–30mm in one application
- Bulk-fill to 50mm

Drying Time

- Sets in approximately 15 minutes
- Ready for floor coverings after approximately 90 minutes

Packaging

20kg triple layered bag

Code

10237

ARDEX FINE FINISH

**RAPID DRYING
SMOOTHING COMPOUND**



ARDEX Fine Finish is a cement based smoothing compound designed to provide a smooth, permanent finish to a variety of internal substrates prior to the installation of floor coverings such as vinyl, carpet and ceramic tile. It is suitable for residential and light commercial applications only.

Location

Internal above grade application.

Substrates

New and existing concrete, terrazzo, quarry and ceramic tiles, timber floors and existing vinyl floor.

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Floating timber

Coverage

Up to 70m² skim coat

Thickness

Feather edge to 3mm.

Drying Time

Ready for floor coverings from 20 minutes.

Packaging

10kg bag

Code

19677

ARDEX FEATHER FINISH™

**RAPID DRY SKIM
SMOOTHING
COMPOUND**



ARDEX Feather Finish™ is formulated to efficiently smooth surfaces by filling imperfections without the need to use additional material to build a skim coat over the entire surface ensuring three times the coverage of sanded skimming products.

Needing no priming and with Ardurapid fast dry technology, ARDEX Feather Finish™ is ready to receive floor coverings in as little as 15 minutes.

Location

Internal above grade application.

Substrates

New and existing concrete, terrazzo, quarry and ceramic tiles, timber floors and existing vinyl floor

Floor Coverings

- Linoleum, vinyl, carpet
- Ceramic and quarry tiles
- Floating timber

Coverage

Up to 70m² skim coat

Thickness

Feather edge to 3mm.

Drying Time

Ready for floor coverings from 15 minutes.

Packaging

10kg bag

4.5kg pail

Code

10396

10613





WEAR SURFACE TOPPINGS

CEMENTITIOUS FLOOR
PREPARATION



ARDEX K 80

**RAPID DRYING
SELF-LEVELLING
TOPPING**



ARDEX K 80 is an ARDURAPID levelling compound designed to provide a finished wear surface on new or old concrete substrates. The exceptional hardness is resistant to forklifts, trolleys and vehicles making ARDEX K 80 suitable in industrial warehouses and garage applications.

Location

Internal above or below grade applications.

Substrates

New and existing concrete and damp or moisture vulnerable concrete when used in conjunction with an ARDEX moisture control system.

Floor Coatings

- Polyurethane coatings
- Epoxy coatings
- Specialty floor coatings

Coverage

2.4m² at 5mm

Thickness

5mm to 50mm

Drying Time

- Walkable in 2 hours
- Ready for coatings in 24 hours
- Trafficable in 48 hours

Packaging

20kg triple layered bag

Code

10461



EXTERNAL PATCHING & LEVELLING

CEMENTITIOUS FLOOR
PREPARATION

ARDEX A 46

EXTERNAL PATCHING COMPOUND



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

The exceptional hardness and shrinkage free finish of ARDEX A 46 is ideal for creating new ramps, forming coves, patch repairs, stairs, making good around penetrations and filling cracks.

Location

- External and internal
- Above or below grade application

Substrates

New and existing concrete, moist or dry.

Coatings

- Polyurethane coatings
- Epoxy coatings
- Membrane coatings
- Ceramic and quarry tiles

Coverage

14m² at 1mm

Thickness

2–30mm in one application

Drying Time

- Walkable in 2–3 hours
- Ready for tile or floor coverings from 24 hours
- Coatings from 48 hours

Packaging

20kg triple layered bag

Code

25354

ARDEX K 301

EXTERNAL SELF-LEVELLING TOPPING



ARDEX K 301 Levelling Compound is formulated for external applications resisting the effects of sun, rain, heat, cold and even freeze thaw conditions.

Having outstanding durability, ARDEX K 301 is also perfect for wear surfaces in workshops, domestic garages, storage areas, light commercial areas, courtyards and footpaths.

Location

- External and internal
- Above or below grade application

Substrates

New and existing concrete, moist or dry.

Coatings

- Polyurethane coatings
- Epoxy coatings
- Ceramic and quarry tiles

Coverage

4.2m² at 3mm

Thickness

2mm–20mm

Drying Time

- Walkable from 2–3 hours
- Ready for tile, carpet and floating floors from 24 hours
- Coatings and vinyl after 48 hours

Packaging

20kg triple layered bag

Code

10460



REPAIR MORTARS & SCREEDS

CEMENTITIOUS FLOOR
PREPARATION

ARDEX A 38

**RAPID SET
CEMENT SCREED**



ARDEX A 38 is a rapid set cement screed that has been designed for all types of floor coverings and is especially effective when installing moisture sensitive coverings. In addition, it is compatible with the entire PANDOMO and Polished Concrete range from ARDEX.

Location

Internal and external

Substrates

New and existing concrete.

Floor Coverings

- ARDEX Pandomo Range
- Tiles and natural stones
- Terrazzo
- Resilient and textile floor coverings
- Parquet

Coverage

A 20kg bag of ARDEX A 38 mixed with 100kg of ARDEX Gravel Mix aggregate will cover approx 4.2m² per 15mm (1.6m² per 40mm) of thickness.

Thickness

The nominal screed thickness when mixed with ARDEX Gravel Mix aggregate is:

- Unbonded at least 35mm; and preferably 40mm thick. Pandomo and heated floors normally require greater than 45mm thick
- Bonded screed it must be at least 15mm

Drying Time

- Can be walked on and is ready to receive tiles after 8 hours
- Ready for terrazzo and smoothing cements after 24 hours
- Ready to receive resilient and textile floor coverings and parquet after 2 days

Packaging

ARDEX A 38 20kg triple layered bag

Code

11204

ARDEX A 48

**RAPID SET
CEMENT SCREED**



ARDEX A 48 is a premixed, rapid-set, cement screed preparation that has been designed for all types of floor coverings and is especially effective when installing moisture sensitive coverings. The rapid cure allows floor coverings to be installed quicker than regular screeds.

Location

Internal and external

Substrates

New and existing concrete. For other substrates contact ARDEX Technical Services.

Floor coverings

- ARDEX Polished Concrete Systems
- ARDEX undertile membranes
- Ceramic and porcelain tile, natural stones
- Terrazzo
- Resilient and textile floor coverings
- Parquet

Coverage

1m² per 10mm

Thickness

- Unbonded at least 35mm; and preferably 40mm thick. Maximum thickness is 70mm. Heated floors normally require greater than 45mm thick
- Bonded screed must be at least 15mm and a maximum of 50mm

Drying Time

- Can be walked on and is ready to receive tiles after approximately 4 hours
- Ready for ARDEX WPM 750 and smoothing cements after 24 hours
- Ready to receive ARDEX approved liquid undertile membranes, parquet, resilient and textile floor coverings after 48 hours

Packaging

20kg triple layered bag

Code

13002

A modern living room with large windows overlooking a city skyline. The room features a light-colored sofa, a wooden coffee table, and a red armchair. The text 'ADHESIVES' is overlaid on a red banner in the bottom left corner.

ADHESIVES

FLOOR COVERING ADHESIVES

ARDEX ADHESIVES

ARDEX is known and trusted worldwide in providing unique products and services that take time and risk out of the flooring installation process. ARDEX adhesives are designed to meet installer preferences with higher performance to lower the total cost of installation while providing long-term reliability for the owner of the floor.



SOLVENT FREE AND LOW VOC

Most ARDEX Flooring Adhesives meet the requirement guidelines for the EMICODE licence, achieving the lowest possible, or very low emissions.

ARDEX adhesives are manufactured worldwide using best practice and advanced technology from ARDEX research and development Research Scientists from North America, Europe, Asia, Australia and New Zealand.

FLOORING ADHESIVES

REFERENCE GUIDE



SYSTEMARDEX
PREMIUM PERFORMANCE

0800 227 339
ardex.co.nz

ADHESIVE TYPE	VINYL					LINOLEUM			CARPET						
	LUXURY VINYL TILE AND PLANKS	VINYL SHEET	CUSHIONED	COVING/SKIRTING	VINYL COMPOSITION TILE	JUTE/HESSIAN BACKED	POLYESTER BACKED SHEET	POLYESTER BACKED TILES	WOVEN	ACTIONBAC	GEL FOAM	NEEDLEPUNCH/FIBREBOND	SECONDARY BACKED	FELT	LATEX
ARDEX AF 143 (Pressure-Sensitive Floorcovering Adhesive)					✓										
ARDEX AF 145 (Pressure Sensitive Adhesive)	✓	✓	✓		✓						✓				✓
ARDEX AF 175 (Luxury Vinyl Tile Adhesive)	✓	✓	✓		✓										
ARDEX AF 180 MS (Heavy Duty Adhesive)	✓	✓	✓		✓										
ARDEX AF 480 MS (Timber Adhesive)															
ARDEX AF 2270 (Universal Conductive Adhesive)	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARDEX AF 2365 (Universal Flooring Adhesive)	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARDEX AF 2525 (Heavy Duty Adhesive)	✓	✓			✓										
ARDEX AF 325 (Low Emission Carpet Adhesive)									✓	✓	✓	✓	✓	✓	✓

RECOMMENDATIONS FOR BEST ADHESIVE PRACTICE

SURFACE PREPARATION

All substrates must comply with relevant New Zealand Standards and AS 1884:2021. In particular, it must be level, permanently dry or protected from moisture, firm, load-bearing, free from curing compounds, cracks and also have a high tensile and compressive strength.

PRIMING

Substrate porosity varies widely which will significantly alter adhesive performance including set up, working time and coverage. Priming substrates reduces the effect of substrate variation on adhesive performance ensuring greater reliability of installation.

TROWELS

Always use nominated trowels, replacing frequently. Never use worn trowels. Where floor covering manufacturer trowel size varies from that specified by ARDEX, contact ARDEX for further advice.

ROLLING

Always use manufacturer's nominated roller to ensure the floor covering is pressed to the substrate enabling successful adhesive transference and contact for long-term performance.

TEST AREA

Where new or unusual conditions are encountered, a test area should be installed to verify adequate and successful installation practice.

SUBSTRATE MOISTURE CONTENT

Where substrate exceeds 5.5% moisture content, 75% RH or is vulnerable to moisture such as basements, subgrade and older buildings an ARDEX moisture barrier system should be installed.

TEMPERATURE

Condition adhesive and floor coverings to working area temperature 24 hours prior to and 48 hours after installation. Installation temperature of working area, floor covering, adhesive and substrate to be a minimum of 10°C and a maximum of 30°C.

IF IN DOUBT, ASK

ARDEX provides nationwide training, project specification and job site support for ARDEX customers to eliminate installation risk and provide customers with the lowest total cost of installation. For technical enquiries contact ARDEX on 0800 227 339 or your local ARDEX sales professional.

IMPORTANT NOTE

Variations in site conditions including porosity, air movement and temperature, humidity, substrate temperature and moisture, priming, substrate smoothness will alter coverage, set up time and working time.

ARDEX AF 143

PRESSURE-SENSITIVE FLOORCOVERING ADHESIVE



ARDEX AF 143 is a pressure sensitive vinyl adhesive, designed to dry quickly to allow faster installation. When used in the ARDEX System the higher performance formulation is designed for use with smaller notch trowels to increase coverage and speed installation.

Location

Permanent internal application

Substrates

- Hardboard underlayment board approved to AS2458
- Carpet pad underlay
- Cementitious underlayment
- Dry concrete where there is less than 5.5% moisture content or 70% RH
- For other substrates including terrazzo, ceramic tiles and metal substrates, contact ARDEX technical services

Floor Coverings

- Vinyl composition tiles
- Most vinyl backed carpet tile
- Dual bond carpet pad underlay
- For other non-vinyl backed and highly plasticised vinyl-backed coverings, contact ARDEX technical service

Coverage

- CV Floorcovering: 48m²
- Vinyl sheet/LVT/CV/Rubber flooring: 40m²

Working Time

- Approx. 24 hours

Packaging

15L pail

Code

10518

ARDEX AF 145

PRESSURE SENSITIVE VINYL AND RUBBER ADHESIVE



ARDEX AF 145 is a water-based, solvent-free, low-odour, pressure sensitive adhesive and wet bond acrylic emulsion-based floorcovering adhesive. ARDEX AF 145 is ideal for installing all types of vinyl floorcoverings and rubber floorcoverings up to 4mm in thickness.

Location

Permanent internal application.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

- All types of vinyl floorcoverings
- All types of rubber floorcoverings in sheet and tile format up to 4mm

Coverage

- CV Flooring - using A1 trowel up to 56m²
- Vinyl sheet/LVT/CV/Rubber flooring - using A2 trowel up to 47m²

Airing Time

20-40 minutes

Working Time

- Up to 30 minutes for LVT
- Up to 80 minutes for sheet vinyl

Open Time

Up to 100 minutes

Packaging

12kg pail

Code

38361

ARDEX AF 175

**FIBRE-REINFORCED LUXURY
VINYL TILE ADHESIVE**



ARDEX AF 175 is a fibre-reinforced, water-based, solvent-free, low-odour, wet bond acrylic emulsion-based floorcovering adhesive. ARDEX AF 175 is ideal for installing all types of Luxury Vinyl Tile and PVC floorcoverings in sheet and tile format.

Location

Permanent internal application.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

All types of luxury vinyl tile and PVC floorcoverings in sheet and tile format.

Coverage

LVT Vinyl Sheet Tiles/CV flooring - using A2 trowel up to 56m².

Airing Time

5-10 minutes

Working Time

Up to 15 minutes

Open Time

Up to 20 minutes

Packaging

12kg pail

Code

38359

ARDEX AF 180 MS

**ONE-COMPONENT
HEAVY DUTY ADHESIVE**



ARDEX AF 180 MS is a solvent-free, low-odour, wet bond MS Polymer based floorcovering adhesive. ARDEX AF 180 MS is ideal for installing all types of luxury vinyl tiles, sheet floorcoverings, rubber floorcoverings and artificial grass in exterior locations.

Location

Permanent internal and external applications.

Substrates

- Dry cementitious underlayment and concrete prepared with an effective damp proof membrane.
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

- All types of luxury vinyl tiles and sheet floorcoverings
- Artificial grass in external applications
- All types of rubber floorcoverings in sheet and tile format up to 9ml

Coverage

- LVT, Vinyl, CV flooring, Rubber flooring - using A1 trowel up to 40m²
- LVT, Vinyl, CV flooring, Rubber flooring - using A2 trowel up to 37m²
- Rubber flooring with sanded back > 3.2 - using B1 trowel up to 27m².

Airing Time

5-20 minutes

Working Time

Up to 35 minutes

Open Time

Up to 40 minutes

Packaging

12kg pail

Code

30096

ARDEX AF 325

LOW EMISSION
CARPET ADHESIVE



ARDEX AF 325 Carpet Adhesive is designed to provide excellent early grab for immediate installation. Ideal for installing all textile floorcoverings.

Location

Permanent internal applications.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

All textile floorcoverings including fibre bonded, needle punch, latex and rubber foam backed, Hessian, polypropylene, nylon, "action-bac", felt and resin backed carpets, and natural carpets, such as sea grass/Hessian/jute

Coverage

- Textile Flooring: up to 35m²
- Needle Punch: up to 28m²

Airing Time

5-10 minutes*

Working Time

Up to 30 minutes*

Open Time

Up to 35 minutes*

Packaging

14kg pail

Code

32328

ARDEX AF 480 MS

ONE-COMPONENT FIRMELASTIC
TIMBER ADHESIVE



ARDEX AF 480 MS is a solvent-free, low-odour, wet bond, MS Polymer based floorcovering adhesive. ARDEX AF 480 MS is ideal for installing all types of timber and cork floorcoverings.

Location

Permanent internal application.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

All types of timber floorcoverings (except solid plank with a width above 180mm)

Coverage

- Small format - using B3 trowel up to 22m²
- Engineered - using B11 trowel up to 18m²
- Solid Planks - using B13 trowel up to 14m²

Airing Time

5 - 20 minutes

Working Time

Up to 40 minutes

Open Time

Up to 40 minutes

Packaging

18kg pail

Code

30388

*Depending on the absorbency of the subfloor and ambient conditions. (20°C & 65% rH).

ARDEX AF 455 MS

**SOLVENT FREE TIMBER
FLOORCOVERING ADHESIVE**



ARDEX AF 455 MS is the 600m version of ARDEX AF 480 MS. It is a solvent-free, low odour, wet bond MS Polymer based timber floorcovering adhesive. ARDEX AF 455 MS is protected from biodegradation and has good resistance to plasticiser migration.

Location

Permanent internal application.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

All types of timber floorcoverings (except solid plank with a width above 180mm)

Coverage

- Cork Flooring - using A2 trowel up to 1.4m²
- Small format parquet/timber - using B3 trowel up to 0.6m²
- Engineered timber - using B11 trowel up to 0.5m²
- Solid planks - using B13 trowel up to 0.4m²

Airing Time

5 - 20 minutes

Working Time

Up to 40 minutes

Open Time

Up to 40 minutes

Packaging

600ml (1kg) Sausage

Code

38030

ARDEX AF 2270

**UNIVERSAL CONDUCTIVE
ADHESIVE (INDENT)**



ARDEX AF 2270 is a fibre-reinforced, water-based, low-odour, solvent-free, acrylic floorcovering adhesive for conductive floor installation. ARDEX AF 2270 is ideal for use in conductive applications for all types of PVC, textile, linoleum, and rubber floorcoverings.

(Available on indent order only.)

Location

Permanent internal applications.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

- All types of PVC flooring
- All types of textile flooring
- All types of linoleum flooring
- All types of rubber floorcoverings in sheet and tile format up to 4mm

Coverage

- PVC - using Pajarito 7 trowel up to 64m²
- Carpet flooring - using TKB S2 trowel up to 51m²
- Linoleum flooring - using TKB S2 trowel up to 51m²
- Rubber flooring - using Pajarito 7 trowel up to 64m²

Airing Time

5-15 minutes

Working Time

Up to 25 minutes

Open Time

Up to 30 minutes

Packaging

18kg pail

Code

30098

ARDEX AF 2365

UNIVERSAL FLOORING ADHESIVE



ARDEX AF 2365 is a water-based, low odour, solvent free, acrylic, emulsion-based floorcovering adhesive. ARDEX AF 2365 is a true universal adhesive, ideal for installing all types of vinyl floorcoverings, textiles, linoleum and rubber up to 2.5mm thick.

Location

Permanent internal application.

Substrates

- Cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Timber substrates that comply with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

- Vinyl sheet / CV
- LVT
- Rubber up to 2.5mm thick
- Linoleum
- Textile

Coverage

- CV Flooring - A1 up to 67m²
- Luxury Vinyl Tiles, Homogenous and Heterogeneous PVC Sheet Floorcoverings, CV Floorcoverings, Rubber Floorcoverings - using A2 up to 56m²
- Textile Floorcoverings - using B1 up to 39m²
- Textile and Woven Floorcoverings with heavy structured backing, Fibre Bonded - using B2 up to 30m²

Airing Time

Up to 20 minutes

Working Time

Up to 40 minutes

Open Time

Up to 50 minutes

Packaging

14kg pail

Code

25015

ARDEX AF 2525

TWO-COMPONENT HEAVY DUTY ADHESIVE



ARDEX AF 2525 is a low odour, low emission, solvent free two component polyurethane floorcovering adhesive. ARDEX AF 2525 is ideal for installing all types of vinyl, rubber, exterior floorcoverings such as artificial grass, dense non-absorbent backed floorcoverings and some timber floorcoverings.

Location

Permanent internal or external application.

Substrates

- Carpet pad underlay, cementitious underlayment and concrete with moisture content that complies with AS 1884:2021
- Hardboard underlay board approved to AS 2458

Floor Coverings

- All types of vinyl floorcoverings
- All types of rubber floorcoverings
- All types of exterior floorcoverings
- Some types of timber floorcoverings

Coverage

- Homogenous and Heterogeneous PVC Sheet Floorcoverings, Rubber flooring, VCT flooring - using A2 up to 20m²
- Linoleum and other backings with little structure - using B1 up to 13m²
- Heavily structured backings - using B2 up to 12m²
- Timber - using B10 up to 6m² (contact floorcovering manufacturer for recommended trowel sizing)

Airing Time

0–5 minutes

Working Time

Up to 70 minutes

Open Time

Up to 75 minutes

Packaging

6kg pail

Code

25018

ARDEX CA 20 P

**MULTIPURPOSE
CONSTRUCTION
ADHESIVE & SEALANT**



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

Location

Permanent internal or external application.

Substrates

- Concrete
- Timber
- Metal
- Plastic
- Ceramic

Floor Coverings

- Vinyl
- Carpet
- Ceramic
- Stone
- Timber

Working Time

Approximately 7–10 minutes

Set Up Time

Wet set for immediate use

Packaging	Code
310ml White Cartridge	10068
310ml Black Cartridge	12923
310ml Grey Cartridge	13371

A black and white photograph of a concrete floor with several prominent cracks. The cracks are dark and run across the light-colored, textured surface. One crack runs diagonally from the top left towards the bottom right, while another runs more horizontally across the middle. There are also some smaller, fainter cracks and some dark, irregular stains on the concrete.

CRACK REPAIR

HIGH STRENGTH CONCRETE
REPAIR SOLUTIONS

ARDEX RA 54

**FAST-SETTING, SEMI-RIGID
POLYUREA JOINT SEALANT**



ARDEX RA 54 is used to fill interior control joints or new construction saw joints on horizontal concrete surfaces. ARDEX RA 54 is designed for industrial floor applications receiving heavy duty vehicle traffic.

Use

- Fill interior control joints
- Fill new construction saw joints

Curing

- Can be shaved in approx. 45 mins
- Opened to full traffic after 90 mins

Coverage

Varies with depth of fill area (see ARDEX calculator on website).

Packaging

600mL Cartridge

Code

22778

ARDEX RA 56

**LOW-VISCOSITY, RIGID,
HYBRID POLYURETHANE
CRACK & SPALL REPAIR**



ARDEX RA 56 is a specially formulated, very low viscosity, two-part hybrid polyurethane, rapid cure, concrete repair material. Its low viscosity offers deep penetration into concrete cracks providing a secure repair.

Use

- Concrete repair when time is of the issue
- Mixed with aggregate for spall repair

Curing

- Ready for grinding in 1 hour
- Ready for traffic in 1 hour

Coverage

Varies with depth of fill area (see ARDEX calculator on website).

Packaging

254mL Cartridge

600mL Cartridge

Code

19930

22779

ARDEX RA 88

MULTI-PURPOSE EPOXY REPAIR ADHESIVE



ARDEX RA 88 is a multi-purpose, rapid cure, high strength epoxy bonding and repair adhesive system. It will bond almost any material together. Its specially formulated non-sag property is also perfect for overhead and vertical repairs.

Use

- Repair adhesive for many materials including metal, concrete, brick, wood, stone, block
- Repairing holes, spalls and cracks in concrete
- Repairing rotted wood

Curing

- Ready to receive paint or other architectural materials after 2 to 3 hours
- Can be open to traffic after 2 to 3 hours

Coverage

6 linear metres with a bead thickness of 6x6mm.

Packaging

254mL Cartridge

Code

19927

ARDEX RA 142

SUPER LOW-VISCOSITY, STRUCTURAL, CONCRETE CRACK INJECTION EPOXY



ARDEX RA 142 Injection Resin is a super low viscosity, two component, 2:1 ratio, 100% solids, high modulus, and structural epoxy adhesive. ARDEX RA 142 can be used at temperatures between 10°C - 35°C, for a variety of repair projects including vertical crack repair.

Use

- Gravity-feed and pressure injection repair hairline to fine width horizontal cracks
- Vertical crack repair using injection ports with a capping paste
- Epoxy mortar spall repair when mixed with aggregate

Curing

- Fully cured after 24 hours
- Ports and capping material can be removed after 24 hours

Coverage

Varies with depth of fill area
(see ARDEX calculator on website).

Packaging

473mL Cartridge

Code

22780

ARDEX RA 144

**LOW-VISCOSITY, STRUCTURAL,
CONCRETE CRACK INJECTION EPOXY**



ARDEX RA 144 is a low viscosity, high modulus structural epoxy adhesive used for a variety of repair projects. With its low viscosity, it is perfect for horizontal gravity-feed repair of fine to medium size cracks.

Use

- Horizontal gravity-feed repair of fine to medium-size cracks
- Epoxy mortar spall repair when mixed with aggregate

Curing

- Fully cured after 24 hours
- Ports and capping material can be removed after 24 hours

Coverage

Varies with depth of fill area (see ARDEX website).

Packaging

473mL Cartridge

Code

22791

ARDEX RA 146

**BLINDSIDE, CONCRETE CRACK
INJECTION EPOXY GEL**



ARDEX RA 146 is a thixotropic structural epoxy adhesive system with a gel-like consistency ideal for repair of medium size cracks (6 - 10mm) when using an injection port system. A thixotropic gel is multi-viscous and flows like a liquid while under pressure and will cease flowing when no pressure is being applied.

Use

- Repair of medium to large cracks (6-10mm) when using injection ports
- Blind-side crack repair of most substrates

Curing

- Fully cured after 24 hours
- Ports and capping material can be removed after 24 hours

Coverage

Varies with depth of fill area (see ARDEX website).

Packaging

473mL Cartridge

Code

22792

ARDEX RA 040

ONE COMPONENT,
POLYURETHANE 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. ARDEX RA 040 is non-sag and may be applied on vertical and horizontal surfaces.

Location

- Internal and external
- Vertical, horizontal or overhead

Substrates

- Expansion
- Airseals around window/door frames

Coverage

24m per unit at consistent 5mm Ø bead

Skin Time

1 Hour

Track-Free Time

1 hour

Cure Time

24 Hours

Packaging

600ml Sausage

Code

24541

ARDEX RHINO CRACK LOCK

CARBON-FIBRE
CRACK BRIDGING STITCH



The Rhino Concrete Crack Lock (CCL) for improved concrete crack repair. The CCL is installed perpendicular to the crack through correct preparation methods. Once installed and filled with the correct approved ARDEX Epoxy Paste, the CCL permanently bonds both sides of the crack together. Due to the unique shape of the CCL and the preparation in the concrete, the tensile strength of the carbon fibre is relied upon as well as the epoxy bond strength along its length.

Location

- Internal and external
- Vertical, horizontal or overhead

Substrates

- Concrete slabs, poured walls, masonry, concrete block foundations, columns and foundations.

Packaging

Pack of 20

Code

30440



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







- 1 The flooring contractor shall inspect the floor and provide a written report to the purchaser in accordance with AS 1884:2021 FLOOR COVERINGS.
- 1.1 The contractor shall discuss his findings with the purchaser and make written recommendations on altering the specifications consistent with the findings.
- 2 All surfaces shall be mechanically prepared to remove contamination, curing compounds, additives and to open the pores of the substrate ensuring a porous surface is achieved.
- 2.1 All surfaces shall be cleaned free from all traces of dirt, dust and loose particles.
- 3 The contractor shall inspect the floor for cracking.
- 3.1 Where cracks are identified as structural, the contractor shall discuss and obtain an instruction for remedial work from the purchaser.
- 3.2 Where cracks are dormant and non-structural, chase cracks and backfill with the appropriate ARDEX Concrete Repair Product.
- 4 The contractor shall test the floor for the presence of excess moisture.
- 4.1 Where excess moisture exists, the contractor shall install the appropriate ARDEX moisture barrier.
- 4.2 ARDEX Moisture Barriers are required to be sand broadcasted to create a mechanical key for levelling/smoothing compounds.
- 5 Prime porous surfaces with ARDEX P 51 Primer.
- 5.1 Prime non-porous surfaces with ARDEX P 9 Primer.
- 6 The contractor shall test for 'Planeness' and 'Smoothness' in accordance AS 1884: 2021
- 6.1 Planeness shall be no less than: AS 1884:2021 – 4mm in 2m
- 6.2 Smoothness shall be no less than: AS 1884:2021 – 1mm in 150mm
- 6.3 For floors that do not meet the standard of 'Planeness', the contractor shall apply a flood coat of 3mm or greater of suitable ARDEX Self-Levelling Smoothing Compound where the floor is 'Plane' but not 'Smooth' the contractor apply ARDEX Feather Finish™ Rapid Drying Smoothing compound.

ALTERNATIVE SOLUTIONS TO COMPLY WITH E3-INTERNAL MOISTURE

LIQUID TANKING MEMBRANES FOR USE UNDER SHEET VINYL AND LUXURY VINYL TILE

This document is to give guidance on a suitable system for the installation of ARDEX liquid waterproofing membranes that are to be overlaid with a flooring system other than ceramic tile. This guidance offers potential ARDEX solutions to assist in meeting NZBC E3/AS1 and NZBC E3/AS2 as an alternative solution. All concrete substrates and moisture testing must comply with AS1884:2021. For substrates other than concrete please contact your local ARDEX account manager.

LIQUID CONTAINMENT MEMBRANE

The recommended waterproof membrane applied over the floor base and up the walls is ARDEX WPM002 Superflex Two Part with a dry film thickness of 1.2-1.5mm.

An alternate membrane is ARDEX WPM155R which must be applied at a minimum of 1.0mm dry film thickness on the floor. This requirement must be observed and exceeds the general thickness recommendation on the datasheet for WPM155R for tiling type applications.

INSTALLATION NOTES

The installation of all ARDEX products must comply with the relevant data sheets

- For the use of heating or sound reduction in this system please contact ARDEX Technical Services
- All detailing must comply with NZBC E3/AS1 amendment 7 2020 and the Code of Practice for Internal Wet Area Membrane Systems 4th edition 2020
- Installation of any ARDEX liquid waterproofing membrane must be undertaken by a current ARDEX certified applicator
- Warranties for the above systems will only be issued when all the components of the full systems are installed, no replacements or alternatives are acceptable.

FAIRING COAT

The recommended waterproof membrane applied over the floor base and up the walls is ARDEX WPM002 Superflex Two Part with a dry film thickness of 1.2-1.5mm.

An alternate membrane is ARDEX WPM155R which must be applied at a minimum of 1.0mm dry film thickness on the floor. This requirement must be observed and exceeds the general thickness recommendation on the datasheet for WPM155R for tiling type applications.

ADHESIVES

The following appropriate adhesives can be used for installing the sheet vinyl or luxury vinyl tile:

- ARDEX AF180MS which is a specialised modified silane adhesive which is water resistant
- ARDEX AF145 is a water-based, solvent-free, low odour, pressure sensitive and wet set acrylic emulsion-based floorcovering adhesive
- ARDEX AF2525 two-part heavy duty floorcovering adhesive
- ARDEX CA20P silane adhesive/sealant can be used to bond mouldings and covings but is not fast grab like contact adhesives

LIQUID TANKING MEMBRANES

FOR USE UNDER ENGINEERED TIMBER

This document is to give guidance on a suitable system for the installation of ARDEX liquid waterproofing membranes that are to be overlaid with a flooring system other than ceramic tile. This guidance offers potential ARDEX solutions to assist in meeting NZBC E3/AS1 and NZBC E3/AS2 as an alternative solution. All concrete substrates and moisture testing must comply with AS1884:2021. For substrates other than concrete please contact your local ARDEX account manager.



LIQUID WATERPROOFING MEMBRANE

The recommended waterproof membrane applied over the floor base and up the walls is ARDEX WPM002 Superflex Two Part with a dry film thickness of 1.2-1.5mm.

FAIRING COAT

A fairing coat is required for several reasons.

- The membrane is non-porous which can create a problem for MS based timber adhesives
- Timber laying operations can damage the membrane

Arditex NA 2-3mm thick should be applied to the floor for a thicker build and increased resistance to damage. An alternative is a scratch coat of ARDEX MRF 1.5mm thick for floors.

ADHESIVES

The following adhesives can be used for installing the engineered timber:

- ARDEX AF 480 MS which is a specialised modified silane adhesive which is water resistant.
- ARDEX AF 455 which is a specialised modified silane adhesive which is water resistant.
- ARDEX AF 2525 two-part heavy duty floorcovering adhesive that is waterproof.

INSTALLATION NOTES

- The installation of all ARDEX products must comply with the relevant data sheets
- For the use of heating or sound reduction in this system please contact ARDEX Technical Services
- All detailing must comply with NZBC E3/AS1 amendment 7 2020 and the Code of Practice for Internal Wet Area Membrane Systems 4th edition 2020
- Installation of any ARDEX liquid waterproofing membrane must be undertaken by a current ARDEX certified applicator
- Warranties for the above systems will only be issued when all the components of the full systems are installed, no replacements or alternatives are acceptable.

NOTES

NOTES

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NOTES

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

DISCLAIMER

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 are 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 programme. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect 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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