



SYSTEM ARDEX
PREMIUM PERFORMANCE

FLOORING PRODUCTS AND SUBSTRATE PREPARATION SYSTEMS

FLOORING

CONTENTS

■ INTRODUCTION

ARDEX Group	3
ARDEX Vision	4
ARDEX Innovation	5
ARDEX Support	6
SystemARDEX	6
ARDEX and Our Environment	7
ARDEX Australia – Committed to the Local Market	7
ARDEX Digital Services	8
Relevant Standards	9
Warranty and Quality Assurance	9
Technical Support Information	10
ARDEX Academy	11

ACCESSORIES, MOISTURE CONTROL & WATERPROOFING

■ PRODUCT INFORMATION

What is Ardurapid?	13
What is Microtec Technology?	13
Choose Your Solution	Product Comparison 14

■ PRIMING, ADMIX, SEALING, SAND AND AGGREGATE

ARDEX P 9	Single Part Primer	16
ARDEX P 51	Porous Substrate Primer	16
ARDEX P 82	Non Porous Substrate Primer	17
ARDEX E 25	Flexural Enhancer for Ardex Levelling Compounds	17
ARDEX PU 30 Rapid	Polyurethane Primer and Green Slab Sealer	18
ARDEX Aggregate 2–5mm	Graded 2–5mm Aggregate for Bulking	19
ARDEX Floor Leveller Primer Sand	Graded Kiln Dry Sand for Priming and Bulking	19

■ MOISTURE CONTROL AND WATERPROOF MEMBRANES

ARDEX WPM 002	Waterproof Membrane	21
ARDEX WPM 130	Construction and Bathroom Membrane	21
ARDEX WPM 155 Rapid Plus	Professional Engineered Undertile Membrane	22
ARDEX Hydrepoxy WPM 300	Substrate Moisture Barrier and Green Slab Primer	23
ARDEX WPM 368	Single Part Barrier Membrane	23

CEMENTITIOUS FLOOR PREPARATION PRODUCTS

■ ARDURAPID HIGH PERFORMANCE SELF-LEVELLING AND SMOOTHING

ARDEX K 55	Ultra Rapid Drying Self-Levelling Compound	25
ARDEX K 15 Micro	Self-Levelling and Self-Smoothing Cement	25

This catalogue is designed for quick reference.

Please refer to product datasheets and packaging for detailed instructions.

■ SPECIAL APPLICATION COMPOUNDS FOR INTERNAL LEVELLING AND SMOOTHING

ARDITEX NA	Universal Self-Levelling Smoothing Compound	27
ARDEX K 12 New	Levelling and Smoothing Compound	27
ARDEX K 10 Reactiv8™	Levelling and Smoothing Underlayment	28
ARDEX K 220	Levelling and Smoothing Compound	28
ARDEX K 120	Levelling and Smoothing Compound	29
ARDEX K 900 BF	Bulk-Fill Levelling Compound	30

■ ARDURAPID PATCHING AND SKIMMING COMPOUNDS

ARDEX Feather Finish™	Rapid Dry Skim Smoothing Compound	32
ARDEX Fine Finish	Rapid Drying Smoothing Compound	32
ARDEX A 45	Internal Rapid Dry Repair Mortar	33
ARDEX A 30	Internal Slump Free Featheredge Patching Compound	33

■ WEAR SURFACE TOPPINGS

ARDEX K 80	Rapid Drying Self-Levelling Topping	35
------------	-------------------------------------	----

■ EXTERNAL PATCHING AND LEVELLING

ARDEX A 46	External Patching Compound	37
ARDEX K 301	External Self-Levelling Topping	37

■ CRACK REPAIR, MORTARS AND SCREEDS

ARDEX RA 54	Fast Setting Semi-Rigid Polyurea Joint Sealant	39
ARDEX RA 56	Hybrid Polyurethane Crack & Spall Repair	39
ARDEX RA 88 PLUS	Multi-Purpose Epoxy Repair Adhesive	40
ARDEX RA 142	Structural Concrete Crack Injection Epoxy	40
ARDEX RA 144	Structural Concrete Crack Injection Epoxy	41
ARDEX RA 146	Blindside Concrete Crack Injection Epoxy Gel	41

ADHESIVES

■ FLOOR COVERING ADHESIVES

Introduction to ARDEX Adhesives	43	
Recommendations for Best Adhesive Practice	44	
ARDEX AF 171	Universal Vinyl Adhesive	45
ARDEX AF 271	Pressure Sensitive Carpet Tile Adhesive	45
ARDEX AF 180 MS	One Component Heavy Duty Adhesive	46
ARDEX CA 20P	Multipurpose Construction Adhesive and Sealant	46
ARDEX CA 750	Water Based Contact Adhesive	47
ARDEX CATALYST SPRAY	Catalyst Spray for use with ARDEX CA 750	47
Flooring Tools		48

LevelMaster Program	49
ARDEX Automated Mixing Pumps	50
Architectural Specification Guideline	51
ARDEX Digital Services	52
Disclaimer	54



ABOUT ARDEX

INTRODUCTION

ARDEX GROUP



The Burj Khalifa, Dubai, UAE.

For more than 70 years, ARDEX has been the quality leader for an entire industry, offering engineered products and systems in the areas of: floor levelling and adhesives, tile and natural stone systems, sheet and liquid applied waterproofing membranes, general construction and decorative surfaces.

ARDEX system solutions have been making buildings better all over the world. From the Burj Khalifa in Dubai, the London Olympic Aquatic Centre, the Sydney Opera House and commercial and residential projects big and small. ARDEX systems provide reliability and support that are always tailored to the specific requirements of the project.

Strong growth and intelligent acquisitions in foreign and local markets enables the ARDEX Group to draw from a global pool of resources. This allows ARDEX to ultimately supply complete system solutions which include market leading, high quality products and services to its valued customers.

As one of the leading building material manufacturers, the ARDEX Group is represented in over 100 countries.





ARDEX VISION

“The ARDEX Group is the leading solution and service provider of innovative building systems.”



Family owned company with people of integrity that are engaged and empowered



Customer centricity via direct end user engagement



Diversifying our products, services and channels including via digital platforms



Enhancing production, quality control and product development through digital technologies



Sustainability in our processes and solutions fostering social responsibility



Unique and efficient building and construction systems through agile innovation

ARDEX INNOVATION

**A world of experience...
providing engineered solutions
for waterproofing and general
construction projects.**

**ARDEX Australia is part of the
ARDEX Group, a company
founded in Germany in the
1940's, that has grown to
become a global business,
providing engineered solutions
for flooring, waterproofing
and tiling applications.**

Our flooring solutions are highly application specific. From sub-floor to roofing, we have developed products that stand the test of time – and moisture. Non-failure in these areas, even under extreme conditions, is critical which is why so many professionals rely on ARDEX.

Innovation has been a key influencer to this continued success, with technologies introduced many years ago still unique in their respective industries today. Being part of the Global ARDEX Group, ARDEX Australia has access to a huge research and development resource which is continually developing world unique products and technologies.



TECHNICAL SUPPORT INFORMATION



ARDEX is committed to being the leading provider of technical support in the field. We believe our responsibility does not end with the manufacture of innovative, technically superior products. Therefore, our team of technical advisers works with contractors and specifiers, as well as with the ARDEX R&D team to provide solutions for specific applications. Some of these common solutions are published in ARDEX Technical Bulletins which are on the ARDEX Australia website.

Some examples include:

- The largest field team of trained professionals
- Project specific installation recommendations
- Job start-up and walk through support
- Local and national training
- Contractor recommendation
- Extensive digital resources

Contact our Technical Services department for help with anything out of the ordinary, if we don't already have the answer we will certainly investigate.


Technical Services Toll Free
1800 224 070 (Australia)
0800 227 339 (NZ)

Technical Data is available on the ARDEX website
www.ardexaustralia.com and the ARDEX Australia mobile app.

ARDEX AND OUR ENVIRONMENT

As part of our ongoing commitment to the environment ARDEX is constantly improving our existing range and developing new products to reduce our ecological footprint.

The indoor air quality of buildings is also enhanced by using ARDEX products. The performance leading and most commonly used ARDEX flooring products have been independently tested to the Green Building Council Green Star Specification for Office Design (IEQ-11) and Office Interior (IEQ-13). ARDEX products that meet the benchmark for VOC credit in the Green Building Council of Australia's Rating Tools are marked with the following icon within this product catalogue.

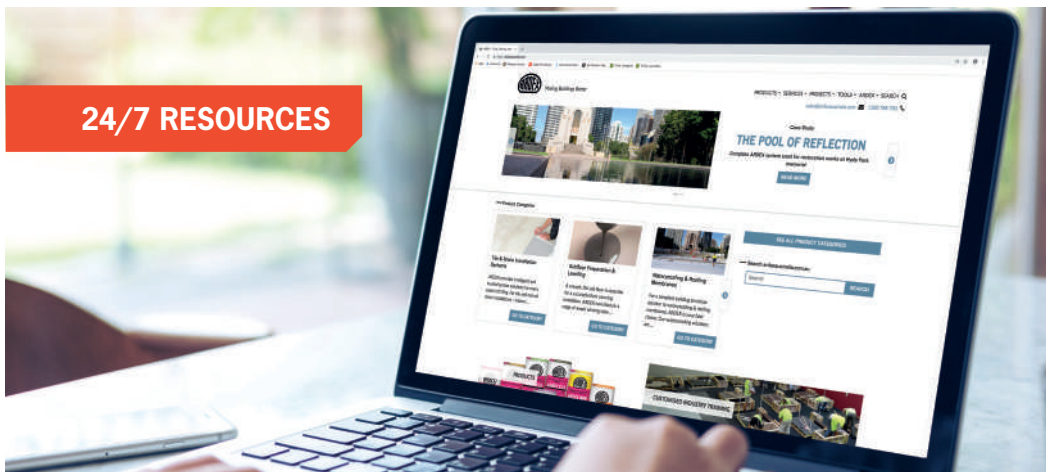
LOW VOC 

ARDEX AUSTRALIA – COMMITTED TO THE LOCAL MARKET

- Localised Research and Development – Formulations designed in Australia for Australian conditions
- Five local manufacturing sites – Products made close to market
- Seven distribution centres – Products available when you need them
- Local Technical Team – Support and backup wherever you are
- Customer service and sales support in every state



24/7 RESOURCES



ON-DEMAND SPECIFICATION TOOL

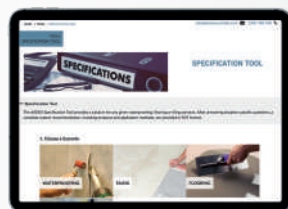
The ARDEX Specification Tool provides on-demand system solutions for waterproofing, flooring, remedial or tiling scenarios. Simply answer project specific questions and a complete system recommendation, including products and application methods, are provided for immediate download.

TILE ADHESIVE SELECTOR

This selector takes the guesswork out of choosing the best tile adhesive based on tile types and project substrates.

GROUT COLOUR SELECTOR

Visualise how ARDEX grouts match up to the colours of your chosen tiles by using the ARDEX online grout colour selector.



PRODUCT CALCULATORS

Never be caught short again. Find out the amount of material you will need for your project by using the instant online product calculator.



RESOURCES

From quick reference specification sheets, to product information papers and technical bulletins, ARDEX has a range of online resources designed to help you, no matter the size of the project.

RELEVANT STANDARDS

- AS1884-2012 Floor coverings – Resilient sheet and tiles – Installation practices
- NZS AS1884-2013
- AS2455-2007 Textile floor coverings – Laying practice

WARRANTY AND QUALITY ASSURANCE



ARDEX products are generally warranted for 10–20 years when installed to relevant Australian Standards and applicable ARDEX specifications, technical data sheets and instruction for application and use.

The ARDEX Australia Guarantee or Warranty covers the:

- **repair or replacement of the product PLUS;**
- **the costs of re-installation of the product PLUS;**
- **the costs of replacement of any immediate covering such as tiles or carpet.**

Product Warranty

A product warranty is applicable on all ARDEX products for a period of between 10–20 years depending on the product. ARDEX warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended, that is as long as it has been applied in accordance with the ARDEX published literature.

SystemARDEX Warranty

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. The SystemARDEX Warranty is designed for applications involving multiple ARDEX products that form a system for a particular purpose.

For example, floor surface preparation prior to laying vinyl may include up to five different ARDEX products and the total SystemARDEX combination would be warranted as being free from defects, totally compatible and suitable for a particular project application.

Extended Warranty

For an extended warranty or one that includes an installation of non-standard product combinations (e.g. product combinations that are not detailed in our published data sheets) you need to contact the ARDEX Technical Services Department on 1800 224 070 prior to the installation for our best recommendations.



SYSTEMS

TILE & STONE

WATERPROOFING

FLOORING

GENERAL
CONSTRUCTION

DECORATIVE
SURFACES

SYSTEM ARDEX

ARDEX is committed to developing products that are easy to use and offer high performance. ARDEX products are designed to work together for total reliability and performance. Each product is the careful result of research and development combining the input of contractors, specifiers and installers to ensure absolute product compatibility backed by a guarantee. This is System ARDEX.



SYSTEMARDEX
PREMIUM PERFORMANCE

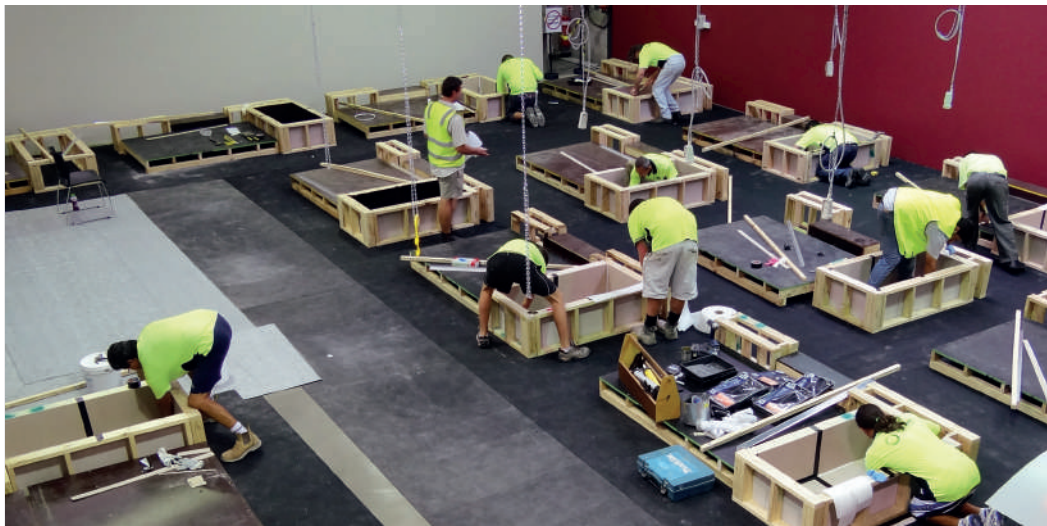
TECHNICAL SUPPORT

ARDEX products are backed by a team of Technical Support Specialists and Field Professionals dedicated to one goal – eliminating guesswork, improving onsite efficiencies and taking risk out of product and system installation.

ARDEX is committed to providing the highest level of technical support – from product training to customised system recommendations.

ARDEX have a dedicated team of technical experts to help you at any stage with:

- System recommendations
- Onsite assistance and demonstrations
- Complaint investigation



ARDEXacademy

TRAINING EXCELLENCE

The building industry, like any other, requires on-going training to keep up with the changes in legislation/ standards and materials (tiles, concrete, substrates etc). ARDEX offers training for applicators as well as distributors and retailers of ARDEX product. The idea of the ARDEXacademy is to permanently share knowledge and expertise with customers.

Training is carried out by an ARDEX team of technical experts who have extensive knowledge and practical experience of the tiling, flooring, waterproofing and general construction industry. There are many courses available both on site at the state of the art ARDEX Academies, or virtual training via ARDEX Academy Online. Visit the training page at **www.ardexaustralia.com** for more information and to register. There are various courses available such as:

- ARDEX Undertile Liquid Waterproofing Accreditation Training
- ARDEX Floor Levelling Training
- ARDEX Undertile WeldTec Installation Training
- ARDEX Epoxy Grout Training
- ARDEX Retail Tile Training
- ARDEX Large Format Thin Porcelain Tile Panel Installation



ACCESSORIES, MOISTURE CONTROL & WATERPROOFING

PRODUCT INFORMATION

WHAT IS ARDURAPID?

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.

Products with ARDURAPID Plus will include the added benefit of being able to be used externally.



WHAT IS MICROTEC TECHNOLOGY?

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.



Product	Description	Ready for Coverings	Application Thickness	External Application	Curing Technology
K 55	Rapid Levelling	1 to 2 hours	1mm to any Depth	No	ARDURAPID
K 15 Micro	Fibre Reinforced Levelling	16 hours	Feather to any depth	No	ARDURAPID
Arditex NA	Latex Levelling	From 24 hours	Feather to 12mm 12–30mm with 2–5mm Aggregate	Yes, if covered by Waterproofing	Chemical Hydration
K 10	Reactivatable Levelling	From 24 hours	1.5 to 15mm	No	Modified Chemical Hydration
K 12 New	Ultra Smooth Levelling	From 18 hours	1.5 to 35mm	No	Chemical Hydration
K 220	Commercial Levelling	From 24 hours	2 to 20mm	No	Chemical Hydration
K 120	Economical Levelling	From 24 hours	2.5 to 12mm	No	Chemical Hydration
K 900BF	Bulkfill Levelling	From 16 hours	3 to 90mm	No	Chemical Hydration
K 250	Commercial Levelling	48 hours	1–25mm, Bulkfill 10–50mm	No	Chemical Hydration
K 301	External Levelling and Smoothing	24 hours	2 to 30mm	Yes	Chemical Hydration
A 45	Internal Repair Mortar	1.5 hours	2–50mm in one Application	No	ARDURAPID
A 46	External Patching Mortar	From 24 hours	2 to 30mm	Yes	Chemical Hydration
A 30	Slump Free Feather Edge Patching	90 mins	0–20mm in one Application	No	Chemical Hydration
K 80	Industrial Levelling	24 hours	5 to 50mm	No	ARDURAPID
Feather	Rapid Drying Smoothing	15 mins	3mm Featheredge	No	ARDURAPID
Fine Finish	Finish Coat Smoothing Compound	20 mins	3mm Featheredge	No	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 if fit for it's intended purpose.

**CHOOSE
YOUR
SOLUTION**



ACCESSORIES, MOISTURE CONTROL & WATERPROOFING

PRIMING, ADMIX, SEALING,
SAND AND AGGREGATE

SINGLE PART PRIMER



ARDEX P 9

ARDEX P 9 Single Part Primer is 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. ARDEX P 9 Single Part Primer is suitable for internal and external wall or floor applications.

SUBSTRATES

- Particleboard, plywood, sheet timber
- Medium density fibre-cement sheet, compressed fibre-cement sheet
- Jointing compound over plasterboard
- Concrete, renders, screeds, masonry and lightweight concrete blocks
- Autoclaved aerated concrete (AAC)
- Existing Glazed Tiles (not suitable for shower floors or permanently immersed conditions)
- Metal Surfaces
- Some plastics (contact ARDEX on specific types)
- Epoxy Coatings (contact ARDEX on specific coating)
- Painted Surfaces
- Contact ARDEX if other substrates are encountered

LOCATION

Internal, External.

SURFACES

Floors, Walls

COVERAGE

6-10m²/L


PACKAGING

	CODE
1L	16791
4L	16778

POROUS SUBSTRATE PRIMER



ARDEX P 51

LOW VOC 

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 50m²/5L 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 container	10231
20L cube	16534

CODE

POROUS SUBSTRATE PRIMER



ARDEX P 82

LOW VOC 

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	CODE
2kg kit	10233
8kg kit	10157

**FLEXURAL ENHANCER FOR
ARDEX LEVELLING COMPOUNDS**



ARDEX E 25

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 009, K 005, K 120, K 220 and A 45

PACKAGING	CODE
5L Jerry Can	10230

POLYURETHANE PRIMER & GREEN SLAB SEALER



ARDEX PU 30 RAPID

LOW VOC 

ARDEX PU 30 Rapid is a one-component polyurethane primer and green slab sealer for use on internal and external porous and non-porous substrates. ARDEX PU 30 Rapid penetrates the surface of the substrate blocking capillary moisture up to 98% RH, while strengthening and consolidating the surface up to 2mm in depth.

SUBSTRATES

Concrete, green concrete, floor levelling compounds & smoothing cements, fibre cement sheet, fibre cement sheet underlay, sheet timber, plaster, ceramic tiles & terrazzo floors

PERFORMANCE

Blocks capillary moisture up to 98% RH

APPLICATION

Internal and external substrates

COVERAGE

110m²/11kg (1 coat)

44m²/11kg (2 coats)

DRYING TIME

45 minutes

2 hrs with sand broadcast

PACKAGING

11kg plastic container

CODE

32143

GRADED 2-5MM AGGREGATE FOR BULKING



ARDEX AGGREGATE 2-5MM

ARDEX Aggregate – 25kg bag is size graded from 2-5mm to work with selected ARDEX compounds. Typically used to increase depth to which compounds can be applied or to improve economy. Always read individual ARDEX product datasheets for complete installation instructions.

ARDEX Aggregate most effectively used with:

ARDITEX NA

Used to increase depth from 12mm to 30mm when filled up to a ratio of 1.25:1 powder to aggregate by weight.

ARDEX K 15

By weight ARDEX K 15 Micro can be filled up to a ratio of 1.25:1 powder to aggregate. Depth and drying time remains unchanged.

ARDEX K 80

By weight ARDEX K 80 can be filled up to a ratio of 1.25:1 powder to aggregate. Depth and drying time remains unchanged.

ARDEX A 45

For repairing localised holes exceeding 20mm ARDEX A 45 can be filled up to a ratio of 1:1 powder to aggregate by volume.

Please note that adding aggregate will change the characteristics of compounds. In all cases a final application of unfilled ARDEX compound will be required to achieve a smooth and level finish. Contact ARDEX Technical Services for advice or complete representative trial area to verify suitability.

PACKAGING

25kg bag

CODE

12891

GRADED KILN DRY SAND FOR PRIMING AND BULKING



ARDEX FLOOR LEVELLER PRIMER SAND

ARDEX Sand – 20kg bag is size graded and kiln dried to ensure consistent results when used with ARDEX products. Always read individual ARDEX product datasheets for complete installation instructions.

ARDEX Sand is used with:

ARDEX WPM 300

Used as a priming sand to ensure additional mechanical bond for the subsequent application of ARDEX levelling compounds. The sand is applied onto the wet WPM 300 at an application rate of 700g/m². Upon drying the excess sand is vacuumed and may be retained for future use.

ARDEX A 45

Sand is used as filler to economically extend the coverage of ARDEX A 45 in non-critical applications including large floor defects and deep ramps. Used up to a maximum ratio of 3 parts A 45 to 1 part sand by volume.

Please note that adding sand will change the characteristics of compounds. In some cases a second application of un-sanded ARDEX compound may be required to obtain a sufficiently smooth surface. Contact ARDEX Technical Services for advice or complete representative trial area to verify suitability.

PACKAGING

20kg bag

CODE

10462




ACCESSORIES, MOISTURE CONTROL & WATERPROOFING

MOISTURE CONTROL AND WATERPROOF MEMBRANES

WATERPROOF MEMBRANE



ARDEX WPM 002

LOW VOC 

ARDEX WPM002 is a tough, rapid drying, two component waterproofing membrane specifically designed for use under resilient flooring in accordance with AS1884.

- Rapid drying time – can be tiled over in 16–24 hrs
- Fibre reinforced – no need for reinforcing mat
- Green Star – meets the benchmark for VOC credit in the Green Building Council of Australia's Rating Tools

LOCATION

Internal and external

SUBSTRATES

Concrete, engineered screeds, screeds compliant to AS1884, fibre-cement sheeting, plasterboard and ARDEX cementitious smoothing and patch mortars used within the recommended systems.

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

20kg pail/20kg bag
Part B Powder: 1 x 20kg bag

CODE

8000082

HIGH PERFORMANCE UNDERTILE WATERPROOFING MEMBRANE



ARDEX WPM 130 *Builder's Express*

Construction and Bathroom Membrane



Acrylic PU water-based waterproofing membrane developed for high performance undertile waterproofing.

- Tough flexible film
- Meets Green Building Council of Australia Greenstar requirements IEQ-13, IEQ-11
- Can be tiled over – good adhesion with ARDEX tile adhesives
- Excellent adhesion to a wide range of substrates
- Fast drying, 4 hours on decks and some applications
- Class III Membrane, as per AS/NZS 4858 Wet Area Membranes

LOCATION

- Internal and external

SUBSTRATES

- Concrete
- Renders and screeds
- Fibre-cement sheets
- Plywood

COVERAGE

This will vary with the porosity of the substrates. Two coats are recommended for optimum performance. A 20kg unit (15 Litres) will cover approximately 9m².

COLOURS

Light blue

DRYING TIMES

- Recoat time: 1–2 hours between first and second coats
- Ready to tile: 4 hours

VOC CONTENT

42g/L

PACKAGING

15L (20kg) pails

CODE

38791

HIGH PERFORMANCE UNDERTILE WATERPROOFING MEMBRANE



ARDEX WPM 155 Rapid Plus

Professional Engineered
Undertile Membrane

ARDEX WPM 155 Rapid Plus is a water-based polyurethane-acrylic hybrid waterproofing membrane developed for high performance undertile waterproofing.



- Express dry time with bathroom tiling possible in just 4 hours, with no risk to corners and junctions
- Crack Isolation protection over shrinkage, hairline and other non-structural cracks
- Tough flexible film
- Meets Green Building Council of Australia Greenstar requirements IEQ-13, IEQ-11
- Can be tiled over – good adhesion with ARDEX tile adhesives
- STB Tape eliminates need for bond breaker
- Class III Membrane, as per AS/NZS 4858 Wet Area Membranes

LOCATION

- Internal and external

SUBSTRATES

Concrete, engineered screeds, screeds compliant to AS1884, fibre-cement sheeting, plasterboard and ARDEX cementitious smoothing and patch mortars used within the recommended systems.

COVERAGE

- Floors: 8.7m² (2 coats) D.F.T. – 1.0mm
- Walls: 17.5m² (2 coats) D.F.T. – 0.5mm

COLOURS

Blue

DRYING TIMES

- Recoat time: 1–2 hours
- Ready to tile: 4 hours

PACKAGING

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

CODE

38792
38790



ARDEX STB & STA TAPE

An uncured Butynol® tape with a fleece layer that is used in the ARDEX WPM 155 Rapid under tile waterproofing system.

ARDEX STB Tape provides a faster installation, increased coverage and an even more secure waterproofing system.

PACKAGING

15m x 75mm STB Tape
2 x 1.2m x 40mm STA Tape

CODE

16870
19216



SUBSTRATE MOISTURE BARRIER AND GREEN SLAB PRIMER



ARDEX HYDREPOXY WPM 300

LOW VOC 

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

- Can be applied to damp surfaces
- Potable Water Approved
- Hydrostatic pressure resistant waterproof membrane
- Prevents rising damp and formation of efflorescence
- Water based – safe to use in sensitive locations
- Green Star – meets the benchmark for VOC credit in the Green Building Council of Australia's Rating Tools
- When applied directly to the substrate (dual coat system) the cured membrane will withstand 250kPa of hydrostatic pressure which is equivalent to a 25 metre head of water
- Prevents rising damp

SUBSTRATES

Brick, masonry, concrete block, concrete, stone and timber

PERFORMANCE

Withstands 250kPa of hydrostatic pressure

APPLICATION

Internal and external substrates

COVERAGE

Primer or efflorescence barrier:
60m²/20L kit, 12m²/4L kit (1 coat)
Moisture barrier:
30m²/20L kit, 6m²/4L kit (2 coats)

DRYING TIME

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

PACKAGING

4L kit
20L kit

CODE

10207
8000021

SINGLE PART BARRIER MEMBRANE



ARDEX WPM 368

LOW VOC 

ARDEX WPM 368 is a single component acrylic copolymer membrane that will prevent rising damp, efflorescence and will resist negative hydrostatic pressure when used in accordance with the technical data sheet.

- Can be applied to damp surfaces
- Can be safely applied to freshly laid hardened (green) concrete
- When applied directly to the substrate (dual coat system) the cured membrane will withstand 250kPa of hydrostatic pressure which is equivalent to a 25 metre head of water
- Prevents rising damp and the formation of efflorescence when used as a dual coat system

SUBSTRATES

Brick, masonry, concrete block and concrete

COVERAGE

Water Stop: 45m² (1 coat)
Moisture Barrier: 22.5m² (2 coats)

COLOURS

Grey

DRYING TIMES

- Recoat time: 2–4 hrs
- Full cure: 7 days

PACKAGING

20kg pail

CODE

19623



CEMENTITIOUS FLOOR PREPARATION PRODUCTS



HIGH PERFORMANCE SELF-
LEVELLING AND SMOOTHING

RAPID DRYING LEVELLING COMPOUND



ARDEX K 55

LOW VOC 



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

SUBSTRATES

- New and existing concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, terrazzo, ceramic tiles, concrete subfloors with electric heating, existing epoxy coatings, high strength concrete greater than 35Mpa.

FLOOR COVERINGS

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

COVERAGE

13m² at 1mm

THICKNESS

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

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 45-60 minutes.
- Ready for floor coverings from 1-2 hours.

PACKAGING

20kg vacuum sealed bag

CODE

53118

FIBRE REINFORCED LEVELLING COMPOUND



ARDEX K 15 MICRO



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

SUBSTRATES

- New and existing concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, compressed fibre cement flooring, terrazzo, quarry and ceramic tiles, concrete subfloors with electric under floor heating, existing epoxy coatings, lightweight autoclave concrete, aluminium and steel decking, primer treated metal, tongue and groove wooden subfloors, patching timber under underlay sheets.

FLOOR COVERINGS

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

COVERAGE

4m² at 3mm

THICKNESS

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

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2 hours.
- Ready for most floor coverings from 16 hours.

PACKAGING

20kg triple layered bag

CODE

16632



CEMENTITIOUS FLOOR PREPARATION PRODUCTS

SPECIAL APPLICATION COMPOUNDS FOR INTERNAL LEVELLING AND SMOOTHING

LATEX LEVELLING COMPOUND



ARDITEX NA

LOW VOC 

ARDITEX NA is formulated with excellent adhesion designed to work perfectly under a damp proof membrane. Also used to pre-level existing timber floors prior to the installation of timber sheeting for a stable base for new floor coverings.

LOCATION

- Internal and external
- Under damp proof membranes

SUBSTRATES

- New and existing concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF, timber floors.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, terrazzo, quarry and ceramic tiles, concrete subfloors with electric under floor heating, existing epoxy coatings, lightweight autoclave concrete, primer treated metal.

FLOOR COVERINGS

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

COVERAGE

12m² at 1mm, 4m² at 3mm

THICKNESS

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

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2 hours.
- Ready for Rubber, PVC Vinyl, Linoleum and wool textile floor coverings in 24 hours.

PACKAGING

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

CODE

8000011

ULTRA SMOOTH LEVELLING COMPOUND



ARDEX K 12 NEW

LOW VOC 

ARDEX K 12 New is designed for 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

SUBSTRATES

- New and existing concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) Moisture vulnerable concrete, compressed fibre cement flooring, terrazzo, quarry and ceramic tiles, concrete subfloors with electric under floor heating, existing epoxy coatings, lightweight autoclave concrete, primer treated metal, patching timber under underlay sheets

FLOOR COVERINGS

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

COVERAGE

4m² at 3mm

THICKNESS

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

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness & floor covering type. (Based on 23°C and 50% RH.)
- ARDEX K 12 new when applied in a 3mm layer is walkable after approximately 2–3 hours at 23°C.
- Ready for vinyl in 18 hours.

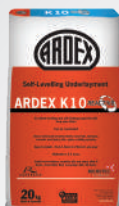
PACKAGING

20kg triple layered bag

CODE

16631

REACTIVATABLE LEVELLING COMPOUND



ARDEX K 10 REACTIV8™

LOW VOC



ARDEX K 10 Reactiv8™ is a premium, reactivatable, self-levelling and smoothing compound that is used to level and smooth interior concrete, correctly prepared terrazzo, tile or prepared epoxy coating systems, on concrete prior to the installation of finished flooring – on, above or below grade.

LOCATION

Internal

SUBSTRATES

- New and existing concrete, burnished concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, terrazzo, quarry and ceramic tiles, existing epoxy coatings.

FLOOR COVERINGS

Most floor coverings including tile and stone

COVERAGE

1.7kg powder/mm/m² or 4m² at 3mm thick

THICKNESS

- Minimum thickness of 1.5mm and up to 15mm thick
- To match existing elevations, ARDEX K 10 Reactiv8™ can be tapered to as thin an application as the sand in the material will allow
- If a true featheredge is needed, ARDEX recommends using ARDEX FEATHER FINISH for transitions

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2-3 hours.
- Ready for floor coverings from 24 hours.

PACKAGING

20kg bag

CODE

24635

LEVELLING AND SMOOTHING COMPOUND



ARDEX K 220

LOW VOC

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

- New and existing concrete, burnished concrete, ARDEX A38, ARDEX A48, ARDEX K 900 BF.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, terrazzo, quarry and ceramic tiles, existing epoxy coatings.

FLOOR COVERINGS

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

COVERAGE

4m² at 3mm thick

THICKNESS

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

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2-3 hours.
- Conventionally laid carpet, floating floors and direct stick applications such as vinyl flooring after 24 hours.

PACKAGING

20kg bag


CODE

23240

LEVELLING AND SMOOTHING COMPOUND



ARDEX K 120

LOW VOC 

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

- New & existing concrete, ARDEX A38, ARDEX A48, ARDEX K900BF, subfloors with electric under floor heating.

Substrates with special requirements (Contact ARDEX Technical Services or view relevant Technical Bulletin online) - Moisture vulnerable concrete, terrazzo, concrete, lightweight autoclave concrete.

FLOOR COVERINGS

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

COVERAGE

4m² at 3mm thick

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.

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2-3 hours.
- Conventionally laid carpet and floating floors can be installed after 24 hours.
- Direct stick applications such as vinyl flooring after 48 hours.

PACKAGING

20kg bag

CODE

24721

BULK-FILL LEVELLING COMPOUND**ARDEX K 900 BF****LOW VOC** 

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 above grade applications
- Below grade application with ARDEX moisture barrier

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 thick

THICKNESS

3 - 90mm in one application

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 4 hours.
- Ready for ARDEX smoothing compounds from 16 hours.

PACKAGING

20kg triple layered bag

CODE

24954



CEMENTITIOUS FLOOR PREPARATION PRODUCTS



ARDURAPID PATCHING AND SKIMMING COMPOUND

RAPID DRY SKIM SMOOTHING COMPOUND



ARDEX FEATHER FINISH™



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 Applications

SUBSTRATES

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

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

RAPID DRYING SMOOTHING COMPOUND



ARDEX FINE FINISH

LOW VOC 

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 dry applications

SUBSTRATES

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

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

INTERNAL RAPID DRY REPAIR MORTAR



ARDEX A 45

LOW VOC



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
- Under waterproof membranes for wet area vinyl

SUBSTRATES

New and existing concrete, concrete masonry or cement render and impervious surfaces primed with ARDEX P 82

FLOOR COVERINGS

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

COVERAGE

12m² at 1mm

THICKNESS

- 2–30mm in one application
- Bulkfill to 50mm

DRYING TIME

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

PACKAGING

20kg triple layered bag

CODE

10237

INTERNAL SLUMP FREE PATCHING COMPOUND



ARDEX A 30

LOW VOC



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 cures 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 with P82

FLOOR COVERINGS

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

COVERAGE

12m² at 1mm

THICKNESS

0–20mm in one application

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




CEMENTITIOUS FLOOR PREPARATION PRODUCTS

WEAR SURFACE TOPPINGS

RAPID DRYING SELF-LEVELLING TOPPING



ARDEX K 80

LOW VOC 



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, 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

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2 hours.
- Ready for all floor coatings from 48 hours.

PACKAGING

20kg triple layered bag

CODE

10461




CEMENTITIOUS FLOOR PREPARATION PRODUCTS

EXTERNAL PATCHING AND LEVELLING

EXTERNAL PATCHING COMPOUND



ARDEX A 46

LOW VOC 

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 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

Approximately 1.4kg powder/mm/m²

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

EXTERNAL SELF-LEVELLING TOPPING



ARDEX K 301

LOW VOC 

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

6m² at 2mm

THICKNESS

2–20mm

DRYING TIME

- Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)
- Walkable from 2-3 hours.
- Ready for all non stick applications after 24 hours.
- Ready for all floor coatings and direct stick applications from 48 hours.

PACKAGING

20kg triple layered bag

CODE

10460



CEMENTITIOUS FLOOR PREPARATION PRODUCTS

CRACK REPAIR,
MORTARS AND SCREEDS

FAST SETTING SEMI-RIGID POLYUREA JOINT SEALANT



ARDEX RA 54

LOW VOC 

ARDEX RA 54 is used to fill interior control joints or new construction saw joints on horizontal concrete surfaces. With a very rapid cure time, repaired joints can be opened to traffic in 90 minutes.

- Fill interior control joints or new construction joints
- Heavy duty vehicle traffic – Designed for individual floor applications
- Rapid cure – Trafficable in 90 minutes

LOCATION

Designed for industrial floor applications receiving heavy duty vehicle traffic. This can be used in exterior applications, when minimal (10% to 12%) joint movement from thermal cycling will occur.

SUBSTRATES

Concrete

COVERAGE

Approx. 3 linear metres with a joint size of 3 x 25mm.

COLOURS

Grey

DRYING AND CURING

Can be shaved in approx. 45 minutes, open to full traffic in 90 minutes.

VOC CONTENT

7g/L

PACKAGING

254mL cartridge
40kg commercial kit

CODE

19929
8004938

HYBRID POLYURETHANE CRACK & SPALL REPAIR



ARDEX RA 56

LOW VOC 

ARDEX RA 56 is an ultra-low viscosity, 2-component hybrid polyurethane crack filler. It is a rapid curing concrete repair material used when minimal down time is crucial.

- Cures stronger than concrete
- Ultra Low Viscosity – Offers deep penetration into cracks
- Rapid cure – Trafficable in less than 1 hour
- Ideal for spall repair when mixed with sand or aggregate

LOCATION

Internal/External

SUBSTRATES

Concrete

COVERAGE

Coverage varies with depth of fill area.

COLOURS

Grey

DRYING AND CURING

Open to full traffic in 60 minutes.

VOC CONTENT

17g/L

PACKAGING

254mL cartridge
4L commercial kit

CODE

19930
30595

MULTI-PURPOSE EPOXY REPAIR ADHESIVE



ARDEX RA 88 PLUS

LOW VOC



ARDEX RA 88 is a two component, high performance ceramic blend epoxy. No-drip, non-sag, repair adhesive perfect for horizontal, vertical and overhead use (trowelable).

- Non-sag – Perfect for overhead and vertical repairs
- High strength – Stronger than concrete
- Trowelable and cure underwater
- Potable water approved

LOCATION

It can also be used for repairing holes, spalls and cracks in concrete, repairing rotted wood, installing anchor bolts and repairing hand rails.

SUBSTRATES

Almost any material, including metal, concrete, brick, wood, stone, block and other substrates.

COVERAGE

Approx. 6 linear metres with a bead thickness of 6 x 6mm.

COLOURS

Grey

DRYING AND CURING

Open to full traffic in 2–3 hours, ready to receive paint in 2–3 hours.

VOC CONTENT

53g/L

PACKAGING

254mL cartridge

CODE

19927

STRUCTURAL CONCRETE CRACK INJECTION EPOXY



ARDEX RA 142

LOW VOC



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. It can also be used as an epoxy mortar for spall repair when mixed with aggregate.

- Very thin liquid for superior crack penetration
- 100% solids, solvent free system with low VOC content
- Pressure injection and gravity feed structural crack repair in horizontal concrete, masonry for cracks from 0.05mm to 3mm
- Epoxy resin binder for epoxy mortar patching and overlay of interior surface using addition of aggregate
- Shear fracture repairs on interior and exterior concrete slabs

LOCATION

Internal/External

SUBSTRATES

Almost any material

COVERAGE

Coverage varies

COLOURS

Amber tint

DRYING AND CURING

Fully cured in 24 hours

VOC CONTENT

8g/L

PACKAGING

470mL dual cartridge


CODE

22780

STRUCTURAL CONCRETE CRACK INJECTION EPOXY



ARDEX RA 144

LOW VOC 

ARDEX RA 144 is a low viscosity, high modulus structural epoxy adhesive used for a variety of repair projects. It can also be used as an epoxy mortar for spall repair when mixed with aggregate.

- 100% solids, solvent free system with low VOC content
- Pressure injection and gravity feed structural crack repair in horizontal concrete, masonry for cracks from 3mm to 6mm
- Epoxy resin binder for epoxy mortar patching and overlay of interior surface using addition of aggregate
- Shear fracture repairs on interior and exterior concrete slabs

LOCATION

Internal/External

SUBSTRATES

Almost any material

COVERAGE

Coverage varies

COLOURS

Amber tint

DRYING AND CURING

Fully cured in 24 hours

VOC CONTENT

8g/L

PACKAGING

470mL dual cartridge


CODE

22791

BLINDSIDE CONCRETE CRACK INJECTION EPOXY GEL



ARDEX RA 146

LOW VOC 

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. It is a high strength epoxy system perfect for blind-side crack repair of most substrates. It will bond the structure back to its original monolithic strength.

- Structural crack repair of medium to large cracks
- Pressure injected blind-side crack repairs such as basement or foundation walls or parking garages
- Pressure injection for cracks from 6mm to 10mm
- 100% solids, solvent free system with low VOC content

LOCATION

Internal/External

SUBSTRATES

Almost any material

COVERAGE

Coverage varies

COLOURS

Concrete grey

DRYING AND CURING

Fully cured in 24 hours

VOC CONTENT

16g/L

PACKAGING

470mL dual cartridge

CODE

22792



ADHESIVES

FLOOR COVERING ADHESIVES

INTRODUCTION TO ARDEX ADHESIVES

ARDEX is known and trusted world wide 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.

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

SOLVENT FREE AND LOW VOC

ARDEX adhesives for internal floor coverings including carpet, vinyl sheet, vinyl plank, vinyl tile and linoleum have been formulated without hazardous organic solvents and have been independently tested to the Green Building Council specifications IEQ11 and IEQ13 for VOC content.



RECOMMENDATIONS FOR BEST ADHESIVE PRACTICE

SURFACE PREPARATION

All substrates must comply with relevant Australian and New Zealand Standards. 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 moisture exceeds the maximums stated in the current versions of AS1884 / NZS-AS1884 or AS2455 or where substrate exceeds 5.5% moisture content, 70% 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 1800 224 070 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.

INDOOR WATER BASED ADHESIVE



ARDEX AF 171

LOW VOC 

ARDEX AF 171 is a water based vinyl adhesive for internal use.

- Fast grab with very strong ultimate bond
- Excellent dimensional stability
- Excellent resistance to plasticiser migration

LOCATION

Internal

SUBSTRATES

- Hardboard underlayment board approved to AS 2458
- Cementitious underlayment
- Dry concrete where there is less than 80% RH when tested with in situ probe test

Contact ARDEX Technical Services for other substrates including terrazzo, ceramic tiles and metal substrates.

FLOOR COVERINGS

- Vinyl plank
- Wall sheet vinyl
- Sheet vinyl
- Linoleum
- Direct stick and double bond carpet installation
- Acoustic mat

COVERAGE

- Using a 1.6x1.6x1.6mm V-Notch trowel approximately 5.0m²/L
- Using a 0.8x1.6x0.8mm U-Notch trowel approximately 7.0m²/L

WORKING TIME

15–20 minutes

SET UP TIME

10–15 minutes

PACKAGING

15L pail containing 18kg of adhesive

CODE

38564

PRESSURE SENSITIVE CARPET TILE ADHESIVE



ARDEX AF 271

LOW VOC 

ARDEX AF 271 is an acrylic water based carpet tile adhesive for internal use free of hazardous organic solvents.

- Pressure sensitive adhesive for semi permanent (releasable) carpet tile and underlay installation
- Can be installed using a long nap roller or 1.6mm “V” notched trowel
- Excellent initial grab for permanent underlay and carpet tile installation

LOCATION

Internal

SUBSTRATES

ARDEX AF 271 is designed to bond carpet tile and carpet pad underlay onto:

- Hardboard underlay approved to AS 1859
- Concrete
- Timber
- Terrazzo

FLOOR COVERINGS

- Vinyl backed carpet tile
- Non-vinyl backed carpet tile for permanent application

COVERAGE

- Using short to medium nap roller approximately 8–10m²/L
- Using a 1.6x1.6x1.6mm V-Notch trowel approximately 5.0m²/L for the installation of VCT & textured backed carpet tiles and double bond underlays

WORKING TIME

Increased working time for semi-permanent carpet tile installation providing that the adhesive is not exposed to dust and other contaminants

SET UP TIME

15–30 minutes for semi-permanent carpet tile installation depending on site ambient conditions

PACKAGING

15L pail containing 18kg of adhesive

CODE

38565

ONE COMPONENT HEAVY DUTY ADHESIVE



ARDEX AF 180 MS

LOW VOC 

ARDEX AF 180 MS is a solvent free, low odour, wet bond MS Polymer based floor covering adhesive. ARDEX AF 180 MS is protected from biodegradation and has good resistance to plasticiser migration. Suitable for areas with direct sunlight.

LOCATION

Internal & external

SUBSTRATES

Hardboard underlay board approved to AS 2458, cementitious underlayment and concrete with moisture content that complies with AS 1884:2012 or NZS AS 1884

FLOOR COVERINGS

- LVT
- Resilient floor coverings
- Linoleum
- Rubber
- Artificial grass

COVERAGE

Using A1 notch trowel approximately 3.33m²/Kg

WORKING TIME

35 minutes

SET UP TIME

15–30 minutes for semi-permanent carpet tile installation depending on site ambient conditions

PACKAGING

12kg pail

CODE

32144

MULTIPURPOSE CONSTRUCTION ADHESIVE AND SEALANT



ARDEX CA 20 P

LOW VOC 

ARDEX CA 20 P is a one component, silane modified polymer adhesive and neutral curing sealant which hardens in reaction with moisture. ARDEX CA 20 P is extremely flexible, with a high initial tack and good bond strength, making it suitable for a wide range of applications.

- Can be used underwater, ideal for minor short term repair applications
- Extremely versatile – Bonds a wide range of materials including metal, wood, ceramics and plastic
- Can be over painted

TILE TYPES

Various, plus a wide range of other materials

SUBSTRATES

Include concrete, wall panels, timber, waterproofing membranes, glazed and unglazed ceramic tiles, aluminium, plastics, metal, glass, fibreglass and polystyrene foam.

LOCATION

Internal, External
(Suitable for immersion applications where not exposed to chemically treated water)

SURFACES

Floors, Walls

COLOURS

White, black

PACKAGING

310mL cartridge

CODE

10068 (white)
12923 (black)

WATER BASED CONTACT ADHESIVE



ARDEX CA 750

ARDEX CA 750 is a ready to use water based contact adhesive for bonding both vinyl skirting or ARDEX Undertile Butynol® Membrane (WPM 750 or WPM 1000). When used with ARDEX Catalyst Spray, ARDEX CA 750 will achieve an instant bond.

LOCATION

Internal and external floors and walls

SUBSTRATES

Porous concrete, cement render, unsealed fibre-cement sheet and plasterboard

COVERAGE

Using a brush or roller, 1L is sufficient for approximately 5m² (both sides)

WORKING TIME

30 minutes to 4 hours (the colour of the adhesive will be clear not white)

PACKAGING

15L pail

CODE

24196

CATALYST SPRAY FOR USE WITH ARDEX CA 750



ARDEX CATALYST SPRAY

Speedtec

ARDEX Catalyst Spray with the use of Speedtec technology is a clear solution which when applied to nominated ARDEX Adhesives such as ARDEX CA 750 accelerates the tack time for quicker installation of floor coverings.

LOCATION

Internal and external floors and walls

TYPICAL USES

ARDEX Catalyst Spray is designed to increase initial tack for adhesives with ARDEX Speedtec Technology. ARDEX Catalyst Spray also acts as an innate film formation for ARDEX WPM 179 – Single Component Rubber Membrane

INSTALLATION

With the spray bottle, spray a fine mist evenly across the adhesive to one side only; as soon as this is complete install the following floor coverings to the treated adhesive

PACKAGING

500ml spray bottle

CODE

16550

FLOORING TOOLS

ARDEX compounds are the result of complex research and development. Each compound contains special resins, polymers, sands, cements and micro additives. ARDEX tools are designed to make the mixing of ARDEX compounds accurate, complete and to facilitate installation. Incorrect mixing and application may result in segregation, poor bonding or product underperformance.

Description

Water Gauging Bucket

Code

11030



Description

Mixing Paddle

Code

10152



Description

Hand Smoothing Trowel – 450mm

Code

10463

Hand Smoothing Trowel – 600mm

10615



Description

Thickness Gauging Rake – 600mm

Code

10616



Description

Stand Up Trowel – 600mm

Code

11137



Description

Clear Mixing Pail 20L

Code

11147



Description

Green Pail

Code

13264



Description

Mixing Pail 30L

Code

73201



LEVELMASTER PROGRAM




An authorised ARDEX LevelMaster Installer is a quality-committed contractor, specialising in the application of ARDEX System Solutions with highly trained crews, utilising specialised equipment and techniques, and who has a sound reputation in the market.



The LevelMaster commitment from ARDEX is to provide the most complete and dedicated service of our Sales, Technical and Management Teams in an effort to ensure success.

The LevelMaster commitment to ARDEX is an agreement to commit to the ARDEX values and reputation of quality and service.

There are three levels of membership in the LevelMaster program, with each tier upwards providing additional benefits.

			
Member Benefits	Silver	Gold	Platinum
Marketing Literature Support			
Technical training	Standard	Comprehensive	Customised
Online product calculators			
Online instant system specifications			
Preferred access to pump hire & training			
Business listing on Ardexaustralia.com			
New product development partner			
High vis shirt with LevelMaster tier printed			
LevelMaster polo shirt with your business logo printed			
Your own electronic project reference brochure			
Social media exposure through ARDEX			
Warranty	Standard	Standard + 2 years*	Standard + 5 years
Project Case Study created and promoted on Ardexaustralia.com			2 per year
RDX Store Credit	\$25	\$100	\$500

*up to 5 years with written approval from ARDEX Technical

ARDEX AUTOMATED MIXING PUMPS

ARDEX Floor Levelling mixing pumps are designed for mixing and pouring pumpable ARDEX floor levelling materials. There are two types of pumps that are suitable no matter how large your project is:

- AMP-100, which will mix 2500kg/hr
- AMP-200, which will mix 5000kg/hr

By comparison, standard hand installation (ie. electric hand mixer and standard bucket) will give you approximately 800kg/hr.

For availability of the AMP-100 and AMP-200, please contact your local ARDEX representative. As a Gold or Platinum LevelMaster member, you will receive preferred access to pump hire and training.



ARCHITECTURAL SPECIFICATION GUIDELINE

Flooring Preparation for Vinyl Coverings

This specification guideline covers the preparatory levelling of internal concrete floor in preparation for the installation of vinyl floor coverings. The guideline is available to assist Building Professionals in more accurately specifying self-levelling compounds. It is recommended that levelling compounds be installed by experienced layers. All products shall be used and applied in strict accordance with the manufacturers' recommendations.

-
- | | |
|--|---|
| <p>1.1 The flooring contractor shall inspect the floor and provide a written report to the purchaser in accordance with AS 1884 or NZS AS 1884 FLOOR COVERINGS.</p> <p>1.2 The contractor shall discuss his findings with the purchaser and make written recommendations on altering the specification consistent with the findings.</p> <p>2.1 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.</p> <p>2.2 The contractor shall inspect the floor for cracking.</p> <p>2.3 Where cracks are identified as structural, the contractor shall discuss and obtain an instruction for remedial work from the purchaser.</p> <p>2.4 Where cracks are dormant and non structural, chase cracks and backfill with ARDEX Ardurapid A45 Repair Mortar.</p> <p>3.1 All surfaces shall be cleaned free from all traces of dirt, dust and loose particles.</p> <p>3.2 The contractor shall test the floor for the presence of excess moisture.</p> <p>3.3 Where excess moisture exists the contractor shall install two coats of ARDEX WPM 300 Moisture Barrier.</p> <p>4.1 Prime porous surfaces with ARDEX P 51 Primer.</p> <p>4.2 Prime non-porous surfaces with ARDEX P 82 Primer.</p> | <p>5.1 The contractor shall test for 'Planeness' and 'Smoothness' in accordance AS 1884 or NS AS 1884.</p> <p>5.2 Planeness shall be no less than:
■ AS 1884 – 4mm in 2m
■ NZS AS 1884 – 3mm in 3m</p> <p>5.3 Smoothness shall be no less than:
■ AS 1884 – 1mm in 150mm
■ NZS AS 1884 – 0mm in 200mm</p> <p>5.4 For floors that do not meet the standard of 'Planeness', the contractor shall apply a flood coat of 3mm or greater of ARDEX K 15 Rapid Drying Self-Levelling Smoothing Compound else where the floor is 'Plane' but not 'Smooth' the contractor apply ARDEX Feather Finish™ Rapid Drying Smoothing compound.</p> |
|--|---|

ARDEX DIGITAL SERVICES



Website:

All the information you need in one place.

ardexaustralia.com



Twitter:

Product news & updates.

twitter.com/ardexaustralia



YouTube:

Access an extensive video library with helpful how-to videos.

youtube.com/ardexaustralia



Instagram:

Images of ARDEX related projects around Australia.

instagram.com/ardexaustralia



Facebook:

- Introduction of new products
- Access to video library
- And much more...

facebook.com/ArdexAU



LinkedIn:

Industry news & updates from our team of experts.

[Search for ARDEX Australia](#)

Apple & Android Apps:

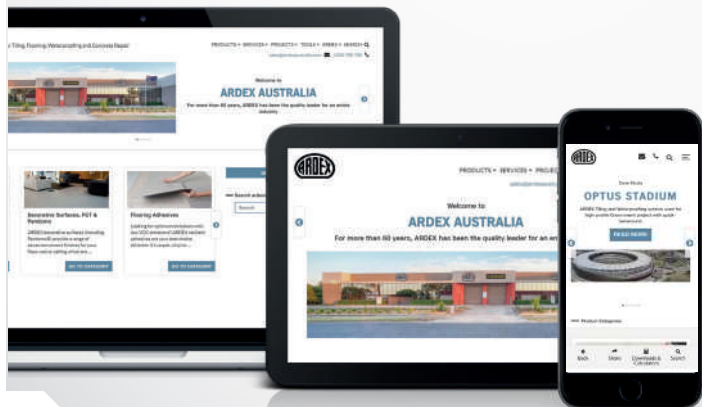
The ARDEX app is a slimmed down version of the website and hosts a variety of helpful features in the palm of your hand.



App Store
(search for
"ARDEX Australia")



Google Play Store
(search for
"ARDEX Australia")



NOTES

NOTES

NOTES

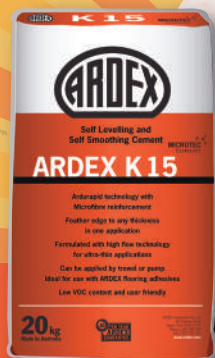
DISCLAIMER

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 Australian 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 program. 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.

© ARDEX Australia Pty Ltd 2020

“Thou shall ardit® the floor”



Trends change, market needs change but quality, innovation and technical support will always outlast.

ARDEX Australia, 50 years of continuous innovation in Australia.



■ **ARDEX AUSTRALIA PTY LTD**

7/20 Powers Road
Seven Hills NSW 2147

1300 788 780

technicalservices@ardexaustralia.com

www.ardexaustralia.com

■ **TOLL FREE TECHNICAL SERVICES**

1800 224 070 (Australia)

0800 227 339 (NZ)

■ **ARDEX NEW ZEALAND LTD**

15 Alfred Street
Onehunga, Auckland 1061

0800 227 339

info@ardexnz.com

www.ardex.co.nz

Stockist details:

