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# ARDEX WeldTec.™

## NEXT GENERATION WATERPROOFING MEMBRANES

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SYSTEMARDEX  
PREMIUM PERFORMANCE



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# EVERY ONCE IN A WHILE SOMETHING COMES ALONG THAT CHANGES THE GAME

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As a global industry leader manufacturing locally, we believe ARDEX WeldTec™ Waterproofing Membranes are some of the most innovative products available today.



## THE NEXT GENERATION OF WATERPROOFING MEMBRANES

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ARDEX WeldTec™ Waterproofing Membranes contain Impervashield technology, offering great flexibility and versatility combined with all the benefits of welded seams and quick application.

Speed up project completion times with the ability to tile directly on top within an hour of being laid.

Committed to uncompromising quality, all products come with a 20 year warranty so you can stake your reputation on it.



# ARDEX WELDTEC MEMBRANES

ARDEX WeldTec™ Waterproofing Membranes contain Impervashield technologies with a synthetic/polymeric rubber technology. The membranes resist tearing, flex cracking, bubbling and adsorption. Products are available for both exposed and unexposed applications.

## ARDEX WPM 712/715

### WeldTec™ Weldable Roofing Waterproofing Membrane

Available in 1.2mm and 1.5mm thicknesses, these products are high quality, heat-welded waterproofing membranes designed for use in exposed areas. They show excellent resistance to atmospheric agents, and resistant to ageing from heat, ozone, and sunlight.

ARDEX WPM 712 and 715 display excellent flexibility in low temperatures, and is suitable for all climatic zones. The products also have an excellent resistance to geothermal gas including hydrogen sulphide and methane.

ARDEX WPM 712 and 715 are ideal for use as a single layer membrane in horizontal or vertical applications for waterproofing decks and roofs. The heat-welded installation ensures a fast installation and added security as a strong, continuous membrane.

With two thicknesses available, ARDEX WPM 712 & 715 may be used in various combinations to produce a variety of specifications tailored to suit each individual waterproofing need.

## ARDEX WPM 717

### WeldTec™ Fleece-backed Waterproofing Membrane

ARDEX WPM 717 is a weldable, fleece-backed waterproofing membrane for exposed areas, with properties which resist ageing from heat, sunlight and ozone. It has excellent gas impermeability and toughness and remains flexible at low temperatures and is suitable in all climatic zones.

Ideal for use as a single layer membrane, ARDEX WPM 717 can be used in horizontal or vertical applications for waterproofing decks and roofs. It is especially suitable for imperfect substrates, or substrates with residual moisture.

ARDEX WPM 717 is fleece-backed to provide excellent means of ventilation and bonding to various substrates. The welding process ensures a fast installation and added security.

The membrane requires no significant maintenance and displays excellent resistance to atmospheric agents and geothermal gas including hydrogen sulphide and methane.

## ARDEX WPM 750

### WeldTec™ Internal Undertile Waterproofing Membrane

ARDEX WPM 750 is an internal undertile waterproofing sheet membrane system ideal for tiled areas such as the walls and floors of showers and bathrooms.

Suitable for use with undertile heating systems it can also be rendered and painted over using ARDEX approved coatings and renders.

ARDEX WPM 750 is a more secure system with a consistent gauge thickness and heat welded laps that can be tank tested intermediately and directly tiled to after just 60 minutes.

ARDEX WPM 750 undertile waterproofing is versatile, extremely strong and has a long life.

## ARDEX WPM 1000

### WeldTec™ External Undertile Waterproofing Membrane

This product is a versatile, external undertile waterproofing membrane suitable for use with underground tanking, decks, under tiles, pavers, pond linings and cavity door flashings.

With a consistent gauge thickness, ARDEX WPM 1000 is made up of synthetic rubber with properties which resist against ageing. It can be heat welded, yet also remains flexible at low temperatures.

Flood testing and tiling can be done directly on the membrane after just 60 minutes. It can also be rendered and painted over using ARDEX approved coatings and renders.

ARDEX WPM 1000 weldable undertile waterproofing is strong and long-lasting.

## ARDEX WPM 1000 RR

### WeldTec™ Root Repell Waterproofing Membrane

Designed specifically for areas exposed to soil and plants, ARDEX WPM 1000 RR is a heat weldable, high-performance waterproofing membrane that contains a premium root inhibitor that repels root growth without killing the root.

ARDEX WPM 1000 RR is ideal for waterproofing retaining walls, living roofs, planter boxes, and anywhere that is susceptible to roots causing damage to the membrane or structure. It is also suitable for use as a damp proofing membrane.

Containing the root inhibitor ‘Preventol B2’, ARDEX WPM 1000 RR provides effective root control and prevents damage to the membrane and building from root penetration. The membrane is made of a synthetic rubber with properties that resist ageing.

Once installed, ARDEX WPM 1000 RR will remain a permanently flexible waterproof lining and bond to most building surfaces.

## ARDEX WPM 1500

### WeldTec™ Below Ground Tanking Membrane

ARDEX WPM 1500 is suitable for tanking foundations, podiums, basements and other below ground waterproofing applications. It is a fleece-lined, weldable product that forms a unique continuous waterproofing membrane.

Compatible with steel and metals, it is generally applied prior to concrete being cast against it.

As well as being resistant to chemical attacks, ARDEX WPM 1500 is tested for use in geothermal areas so it withstands thermal shocks and accommodates structural movement. It is also fully bonded which allows resistance against lateral water migration.

Welded detailing creates very strong watertight laps meaning ARDEX WPM 1500 is not reliant on confining pressures, hydration or tape seams.



# ROOFING SOLUTIONS

## FLAT ROOFING

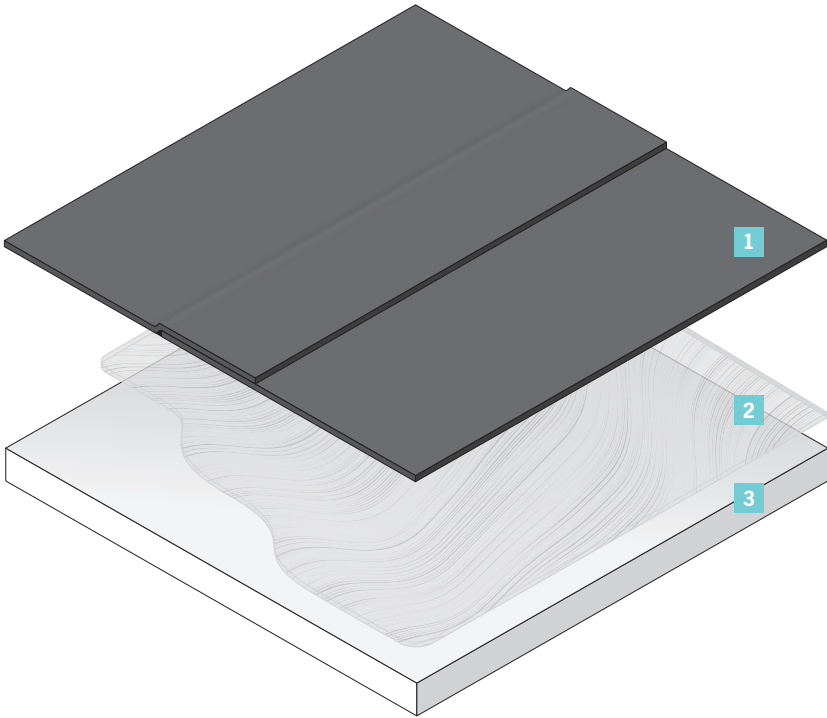


**ARDEX WPM 715**  
WeldTec™ 1.5mm  
weldable waterproofing  
membrane

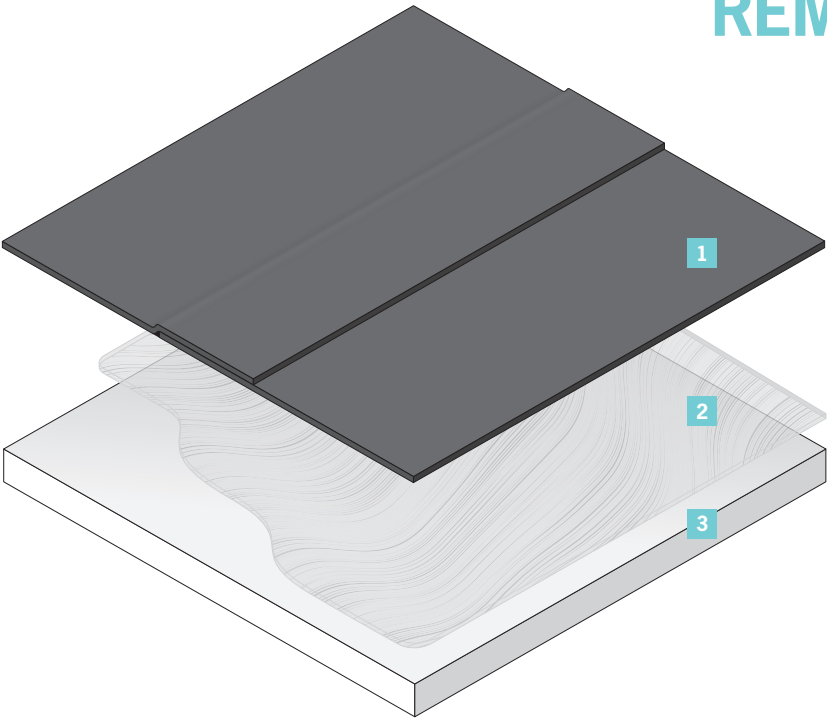


**ARDEX WA 98**  
Waterproofing  
membrane adhesive

**3**  
Selected substrate



## REMEDIAL ROOFING



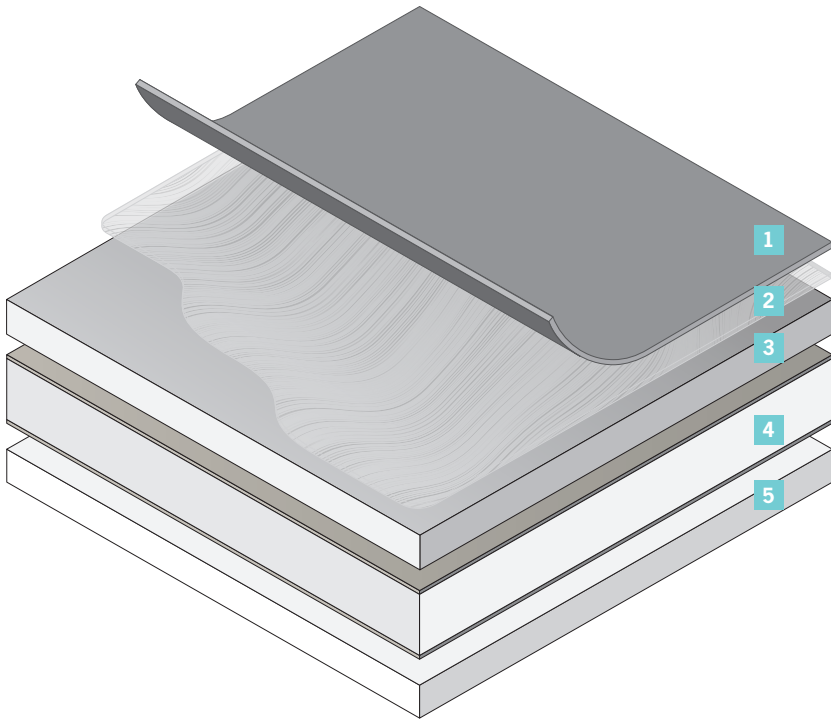
**ARDEX WPM 717**  
WeldTec™ fleece-lined  
weldable waterproofing  
membrane



**ARDEX WA 98**  
Waterproofing  
membrane adhesive

**3**  
Imperfect substrate or  
existing membrane

## WARM ROOFING



**ARDEX WPM 715**  
WeldTec™ 1.5mm  
weldable waterproofing  
membrane



**ARDEX WA 98**  
Waterproofing  
membrane adhesive



**Optional ARDEX  
HD Cover Board**  
High-density Polyiso  
Cover Board



**ARDEX  
Polyiso Board**  
PIR foam  
insulation board

**5**  
Suitable substrate

## GREEN ROOFING



**1**  
Selected green roof  
build up

**ARDEX DRS 10 GC**  
Drainage protection  
membrane

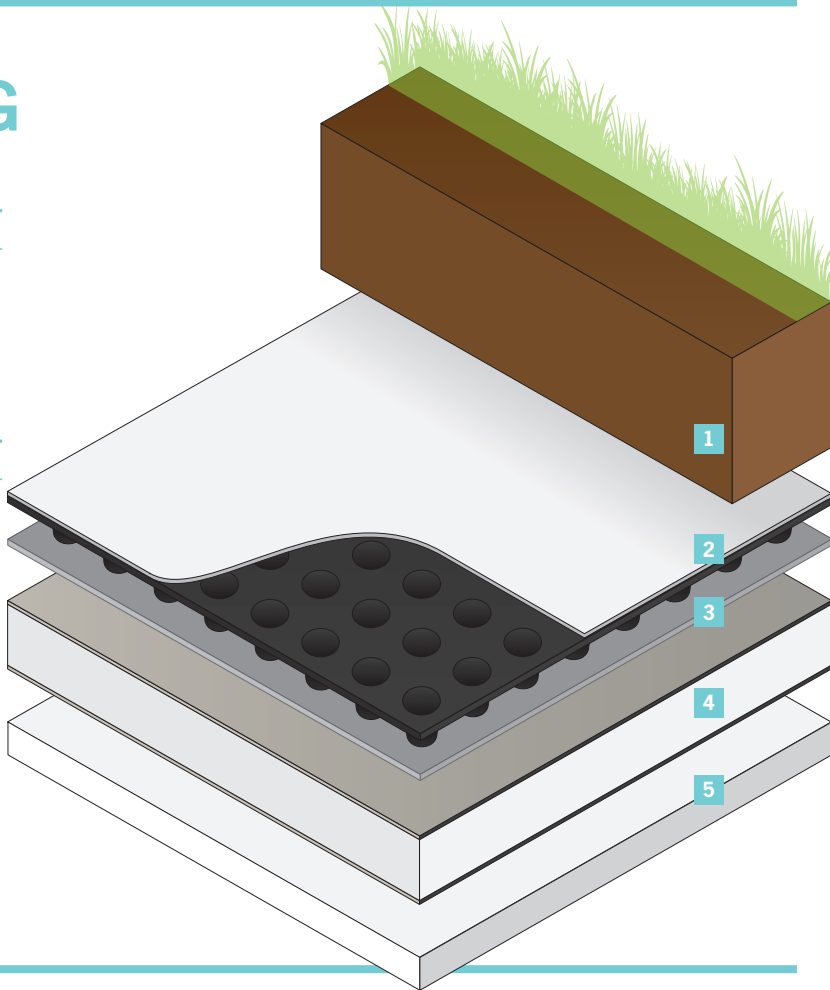


**ARDEX WPM 1000 RR**  
WeldTec™ Root Repell  
weldable waterproofing  
membrane



**ARDEX  
Polyiso Board**  
PIR foam  
insulation board

**5**  
Substrate engineered to  
suit green roof





# UNDERTILE & TANKING

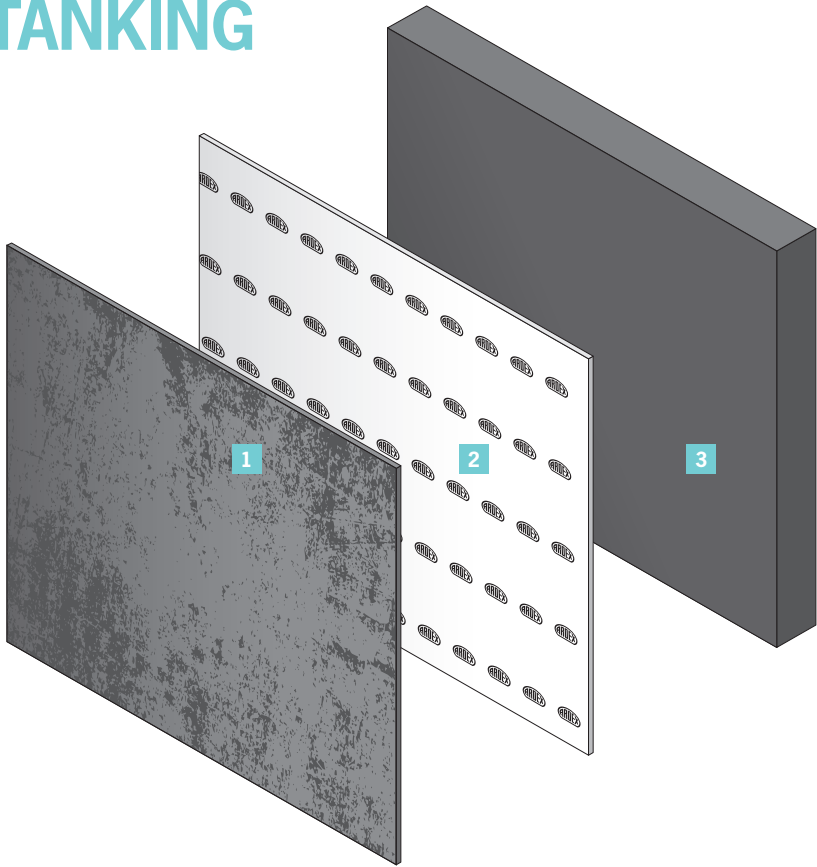
## PRE-APPLIED TANKING

- 1

Sacrificial formwork or shotcrete
- 2

  
ARDEX WPM 1500  
WeldTec™ weldable tanking membrane
- 3

Cast concrete



## EXTERNAL UNDERTILE

- 1

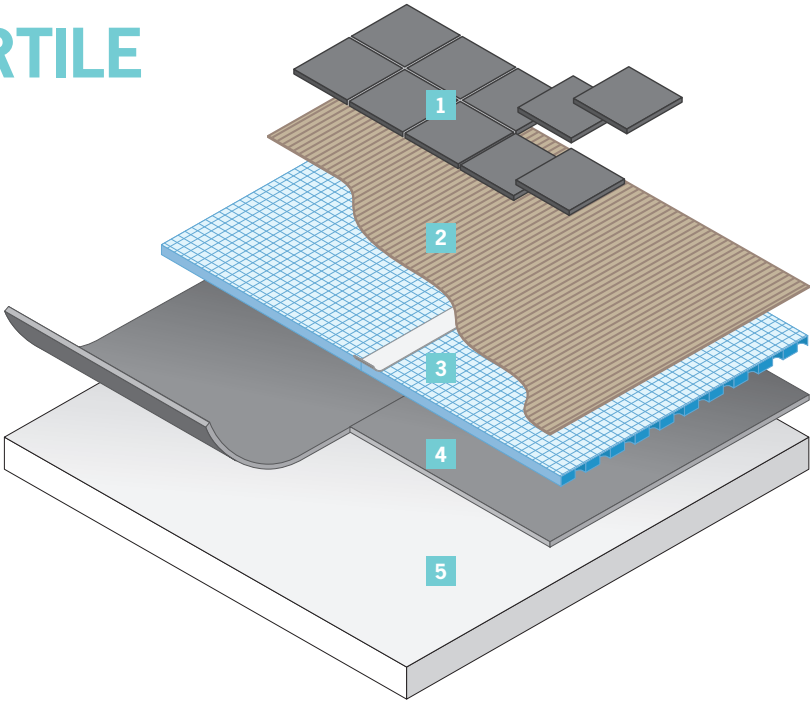
Tiles
- 2

ARDEX Tile Adhesive
- 3

  
ARDEX UD 150  
Undertile drainage mat
- 4

  
ARDEX WPM 1000  
WeldTec™ external undertile waterproofing membrane
- 5

Deck substrate





## INTERNAL UNDERTILE

- 1

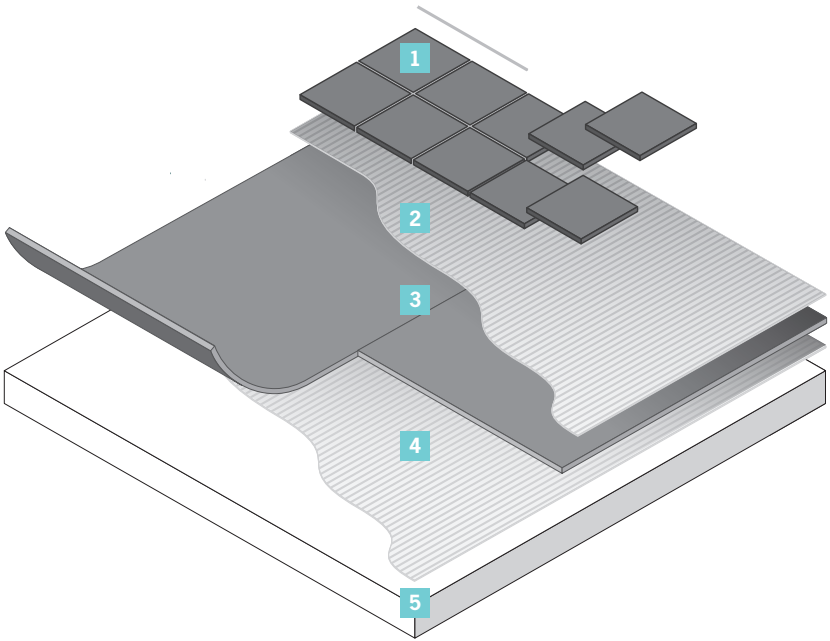
Tiles
- 2

ARDEX Tile Adhesive
- 3

  
ARDEX WPM 750  
WeldTec™ internal undertile waterproofing membrane
- 4

  
ARDEX AF 620  
Universal water-based contact adhesive
- 5

Selected substrate







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# LOCALLY PRODUCED FOR GREATER QUALITY CONTROL

ARDEX is a manufacturer - not just a distributor, unlike its competitors. We produce products suitable for our familiar geographical location.

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Made in New Zealand at our Christchurch factory, you can rely on a traceable source; our vertically integrated supply chain gives you more reliable quality control.

Trust the creators of New Zealand's most well-known and widely used engineered waterproofing systems.

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# EXPERTS IN BUILDING SOLUTIONS

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For a complete building solution to waterproofing membranes ARDEX is your best choice. From below-grade to roofing, we have a range of locally-manufactured, energy efficient products to stand the test of time – and moisture. Non failure in these areas, especially under extreme conditions, is critical which is why so many professionals rely on ARDEX. Our dedicated specifications team will assist with all your requirements on your project.



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## OVER 50 YEARS LEADING WATERPROOFING INNOVATION

With a proven global track record of pioneering innovative waterproofing solutions for over half a century, our commitment to uncompromising quality has resulted in products that stand the test of time and moisture.

Over the years, we've had the benefit of industry insight when developing innovations. Our vast experience of materials and working methods comes from longstanding partnerships with the trade. With our innovative manufacturing capabilities and firsthand knowledge of practical requirements in construction, our products fulfill multiple needs.

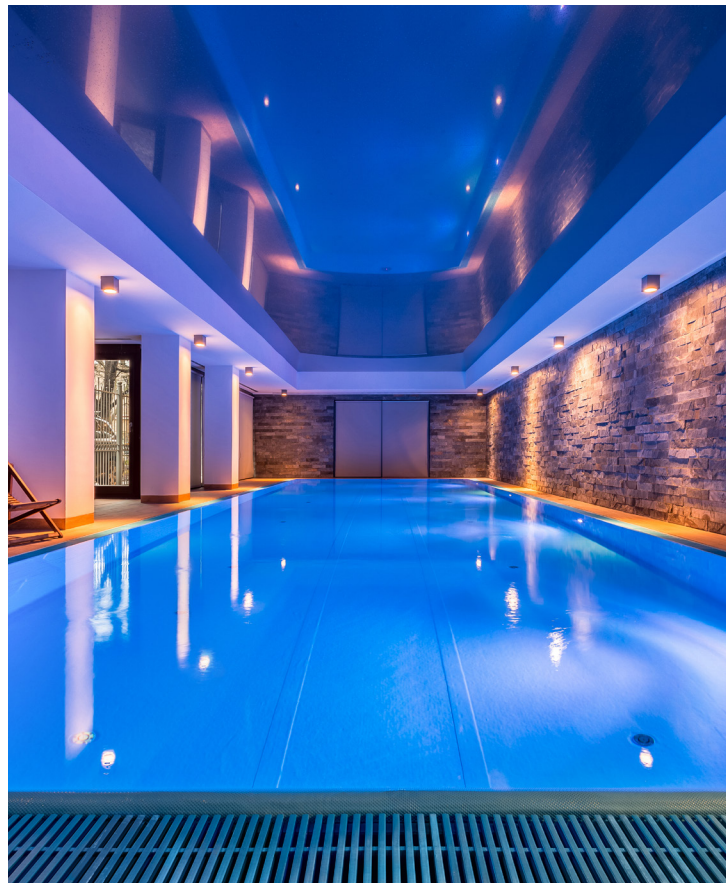


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# WARRANTIES

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



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An ARDEX warranty covers:

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

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

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

To learn more please call 0800 227 339,  
email [specification@ardexnz.com](mailto:specification@ardexnz.com)  
or visit [www.ardex.co.nz](http://www.ardex.co.nz)

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## THE NEXT GENERATION OF HYDRO IMPERVASHIELD TECHNOLOGY

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0800 227 339  
[www.ardex.co.nz](http://www.ardex.co.nz)