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# A NEW CLASS OF FLOOR PREPARATION PRODUCTS

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**SYSTEMARDEX**  
PREMIUM PERFORMANCE

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# CREATE THE PERFECT SUBSTRATE FOR LAYING WORK AND ADHESIVE SETTING

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Before any floor covering is laid it is essential the subfloor it goes onto is flat and smooth. A smooth, flat floor means less adhesive is used, and is much easier to install floor coverings and tiled surfaces.

This new range from ARDEX offers a broad range of levelling compounds and specialist building materials suitable for floor preparation in all situations and to receive all manner of floor coverings and tiled surfaces.

Before you begin, we've put together a few elements you should check first in order to get the best performance from our products, and the best end result.

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## The Rules of Floor Levelling

1. Prepare the subfloor adequately
2. Check for subfloor moisture and pH levels
3. Do not overwater nor overwork flooring cements
4. Always read the product datasheet and MSDS



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## Moisture Testing

In accordance with NZS/AS 1884:2013, substrate moisture at 40% depth must not exceed 75% Relative Humidity or 5.5% Moisture Content. If the substrate exceeds these measures, or is vulnerable to moisture such as basements, subgrade, and older buildings, an ARDEX Moisture Barrier System should be installed.

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## pH Testing

In accordance with NZS/AS 1884:2013, ensure that the pH level of the concrete substrate is suitable for the use of ARDEX Primers and Floor Levelling Compounds.

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## Surface Preparation

Application must comply with NZS/AS 1884:2013. In particular, a floor must be level, permanently dry or protected from moisture, firm, load-bearing, free from curing compounds, cracks, be of a recommended CSP rating, and also have high tensile and compressive strength.

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## Priming

Substrate porosity varies greatly and the condition of the substrate will significantly impact the floor preparation process including set-up, coverage, thickness, and which leveller may be adequate. Priming substrates reduces the effects of substrate variation on the performance of the levelling compound – ensuring greater reliability of the installation. ARDEX provide a range of primers for various applications.

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## Temperature

Condition ARDEX floor levelling compounds to working area temperature 24 hours prior to installation, while also ensuring adequate storage of materials away from direct sunlight and wet conditions. Installation temperature of working area, floor levelling compound and substrate should be a minimum of 10°C, and a maximum of 30°C.

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## If in Doubt

ARDEX provides nationwide project specification, job-site support, and an extensive technical background to eliminate installation risk at every step of the building process. If you have a query about which ARDEX system is applicable for your job, please call 0800 2 ARDEX, or contact an ARDEX Technical Sales Representative.

# ARDEX K 120

LEVELLING AND  
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 sub-floors

## Substrates

Internal, dry concrete substrates.

## Floor Coverings

Carpet, Vinyl, Ceramic Tiles.

**Coverage** 4m<sup>2</sup> 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 whilst 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 AND  
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 sub-floors

## Substrates

Internal, dry concrete substrates.

## Floor Coverings

Carpet, Vinyl, Ceramic Tiles.

**Coverage** 4m<sup>2</sup> at 3mm

## 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

- 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. Wait 7 days prior to exposing to very heavy loads. Allow longer for humid climates and low temperatures

**Packaging** 20kg bag **Code** 23240

# ARDEX LQ 92

## UNDERTILE LEVELLING COMPOUND



ARDEX LQ 92 is a cement-based underlay for levelling uneven concrete floors prior to tiling. Not recommended for use under vinyl coverings.

- Self smoothing
- Polymer modified – apply from feather edge to 10mm
- Early walkability – tile over after approx 4 hours
- Suitable for use with underfloor heating
- May be mixed with ARDEX Abalastic liquid when incorporating heating wires

### Location

Internal, External (not subject to freeze/thaw).

### Bed Thickness

- 10mm down to feather edge
- For thicknesses over 10mm and up to 25mm, mix with 2mm to 5mm aggregate
- For ramping mix with up to 10kg of coarse dried sand to achieve a trowelable non-flowing screed

<b>Substrates</b>	Concrete
<b>Surfaces</b>	Floors
<b>Coverage</b>	3.8m <sup>2</sup> at 3mm
<b>Colours</b>	Grey
<b>Packaging</b>	<b>Code</b>
20kg	10146

# ARDITEX NA

## UNIVERSAL LEVELLING SMOOTHING COMPOUND



ARDITEX NA is formulated with excellent adhesion designed to work perfectly under damp proof membranes, and go onto a wide range of substrates. Also used to pre-level existing timber floors prior to the installation of timber sheetings for a stable base for new floor coverings.

- Self smoothing
- Polymer modified – apply from feather edge to 12mm
- Early walkability - tile over after approx 4 to 5 hours @ 23°C

### Location

Internal, External. Under damp proof membranes.

### Bed Thickness

- 12mm down to feather edge
- For thicknesses over 12mm and up to 30mm, mix with 2mm to 5mm aggregate

<b>Substrates</b>	Concrete
<b>Surfaces</b>	Floors
<b>Coverage</b>	4m <sup>2</sup> at 3mm
<b>Colours</b>	Grey
<b>Packaging</b>	<b>Code</b>
4.8kg litre pail	11099
20kg Bag	11101

<b>Substrates</b>	Concrete
<b>Surfaces</b>	Floors
<b>Coverage</b>	4m <sup>2</sup> at 3mm
<b>Colours</b>	Grey
<b>Packaging</b>	<b>Code</b>
4.8kg litre pail	11099
20kg Bag	11101



# SUSTAINABILITY

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Sustainable operations shape the future through environmental protection and sparing use of economic resources. At ARDEX we aim for ecology and economy with products that not only work but also go a long way. It's our contribution to preserving the planet for the future and providing value for money.

High coverage ARDEX products means minimum material is used, which cuts down on processing, transport and waste packaging.

Our high quality sub-floor smoothing compounds deliver extremely even surfaces, which leads to the use of far less adhesive to affix flooring.

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Extraordinary long product life helps save resources.

ARDEX products designed for renovating existing buildings help reduce the strain on the environment as refurbishment consumes far fewer resources than new builds.

Virtually all ARDEX products are 100% recyclable as they're made from raw materials.

ARDEX is proud to manufacture a range of premium quality, low VOC (Volatile Organic Compounds) solutions that are compliant with Green Star rating standards.

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# SUPPORT SERVICES

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

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

**0800 2 ARDEX**

**[www.ardex.co.nz](http://www.ardex.co.nz)**

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

 **[www.facebook.com/ARDEXNZ/](https://www.facebook.com/ARDEXNZ/)**

 **[www.youtube.com/ardexaustralia](https://www.youtube.com/channel/UC...)**



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

Just search for “ARDEX New Zealand” in either the Apple App Store or the Google play store. Alternatively just scan the QR code below to download.





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

