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# ARDEX EG 15

## Easy Clean High Performance Epoxy Grout

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Use where strict hygiene standards, high chemical and physical resistance are required

Exceptionally easy clean off

Solvent free, environmentally friendly

For joints from 1.5mm to 15mm

Suitable for wall and floor applications

Adjustable viscosity to suit application conditions

Use with range of ARDEX Colour Packs

Water wash up, easier than other epoxy grouts

Ideal for wet areas including swimming and hydrotherapy pools

For internal and external applications

Low VOC content



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# ARDEX EG15

## Easy Clean High Performance Epoxy Grout

### DESCRIPTION

ARDEX EG15 is a high performance epoxy grout designed for situations that require strict standards of hygiene, high chemical and physical resistance. ARDEX EG15 is exceptionally easy to clean up during application. It can be used in joints up to 15mm wide on walls and floors.

### FOR GROUTING (TILE TYPES)

All ceramic tiles, porcelain and natural stone.

Note: porous, moisture sensitive and textured tiles may require special application procedures, contact ARDEX Technical Services.

### PREPARATION

Ensure joints are clean and free from dust, excess adhesive and bedding mortar. Do not grout until the adhesive has set firmly. All 'spacers' must be removed from joints. Joints must be dry before grouting and free from permanent dampness.

Prior to grouting, it is advisable to check ease of cleaning with tiles that have a textured or matt surface.

### MIXING RATIO

ARDEX EG15 should be mixed to the ratios below in parts per volume:

Part A Compound	2 parts/1L
Part B Hardener	1 part/500mL
Part C Colour Pack	5-7 parts/5kg

### MIXING

Only mix enough material that can be used within 30 minutes.

#### Shake well before opening plastic bottles.

1. Transfer the measured amount of compound (Part A) to a suitable sized mixing container and add the hardener (Part B).
2. Mix the two components using a low speed mechanical stirrer (e.g. electric drill) until a uniform mixture is obtained. Smaller quantities can be mixed by hand in the manner described.
3. Add ARDEX Colour Pack (Part C filler) in incremental amounts until the desired consistency and a uniform colour is obtained.

Notes on mixing:

- A. Filler addition can be adjusted to accommodate site conditions (e.g. ambient temperatures, joint width).
- B. Coverage will vary dependant on the amount of filler added. Reducing filler decreases coverage, allows more slump and makes clean up more difficult. For wider joints, more filler may be necessary to obtain a firmer, non-slump consistency.
- C. To extend the pot life, spread the mix onto a non-absorbent surface (e.g. plastic sheet) at a thickness not exceeding 15mm and begin application.
- D. To optimise the workability, incorporate less ARDEX Colour Pack Part C filler at low temperatures into the mix.

### APPLICATION

Apply the mixed grout using a spatula, gauging trowel or caulking gun. Compact the grout firmly into the joints ensuring they are completely filled, minimising the amount left on the tile surface. Remove excess grout from the tile surface and begin cleaning.

Optimum pot life, coverage and workability are achievable when ARDEX EG15 is used at temperatures between 20-25°C. The components can be warmed or cooled to achieve optimal results depending on temperature and site conditions. Do not apply in temperatures below 10°C or above 30°C. Low temperatures will retard curing and high temperatures will dramatically shorten the pot life.

The pot life of the mixed mortar is approximately 45 minutes at 23°C and 50% relative humidity, when approximately 200mL are mixed. Warmer temperatures and larger mixes will reduce the pot life, only mix sufficient material that can be used within 30 minutes.

### CLEANING

For best results, cleaning should be completed within 15 minutes after application. Grouting and cleaning 1-2m<sup>2</sup> at a time is recommended. Consult ARDEX for porous and heavily textured tiles.

Step 1: Remove excess grout from the tile surface using a rubber grout float in a diagonal pattern.

Step 2: Using a damp cleaning cloth, gently wipe in a circular motion and loosen the excess grout on the tile surface. Frequently clean cloth in water.

Step 3: Using a damp clean cloth, gently remove any further residue and smooth grout surface. Frequent rinsing of the cleaning cloth reduces clogging and prolongs its life.

Step 4: Using a chamois, remove any remaining haze from the surface.

It is important to clean all grout from the tile surface before the grout hardens. The initial cleaning can become very difficult to wash outside of the material's pot life. In some cases a slight smear may develop on the tile surface after cleaning. The smear can be removed 2-4 hours after grout application by wiping with a clean sponge or open weave damp cloth. For stubborn areas use a scourer. Clean residue no later than 24 hours after grout application.

### DRYING TIME

Open to light traffic after 24 hours, full cure and stain resistance after approximately 7 days, after which time the grout joints are chemically resistant, at 23°C and 50% relative humidity. Allow longer for lower temperatures.

### PACKAGING

ARDEX EG 15 is a three part system.

Part A: 1L

Part B: 500mL

Part C - ARDEX Colour Pack 5kg

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### SHELF LIFE

ARDEX EG15 has a shelf life of 24 months, when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

Keep away from flames and high temperatures. Keep away from food and drink. Reseal partly used containers.

### Pay attention to the following:

Epoxy based grouts are prone to discolouration and chalking when used externally. However, performance is not affected. Epoxy grouts are subject to colour variation over prolonged periods.

Discolouration can occur if too much water is used during clean up.

Exercise caution when grouting over soft or highly glazed tiles, ARDEX recommend a trial application with all tiles before installation.

In low temperatures, it is advisable to pre-heat the separate components or store in a temperature controlled environment for 12 hours prior to use. The sealed liquid components can be heated in warm water of up to 25°C.

In high temperatures, the material should be stored in shade or an air conditioned environment for 12 hours prior to use.

ARDEX EG15 has very good chemical resistance but is not recommended for use in direct contact with commercial deep fryers, ARDEX provides other systems.

ARDEX EG15 grout is water resistant, but is not intended to waterproof surfaces and does not replace a correctly installed waterproof membrane under tiles.

Light foot traffic is permitted after 24 hours at 23°C and 50% relative humidity but full stain and chemical resistance is not achieved until full cure after 7 days at 23°C and 50% relative humidity.

### SAFETY DATA

This product causes severe skin burns and eye damage. Harmful if swallowed and in contact with skin. May cause an allergic skin reaction. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. May be corrosive to metals. Harmful to aquatic life with long lasting effects. Please obtain special instructions before use. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. IF SWALLOWED: rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Store locked up. Check with your local Council regarding the disposal of contents and packaging. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at [www.ardexaustralia.com](http://www.ardexaustralia.com).

ARDEX EG15 Part A is considered a Dangerous Good, Miscellaneous, Class 9.

ARDEX EG15 Part B is considered a Dangerous Goods, Corrosive, Class 8.

### COVERAGE

Coverage will vary according to tile size, joint width and depth, as well as the method of application and on site conditions. Allow an additional 15-20% for wastage.

Estimates are approximate and do not include wastage.

Tile Size (mm)	Coverage in m <sup>2</sup> per kit (Kit is: Pt A 1L, Pt B 500mL, Pt C 5kg)				
	Joint Width				
length x width x depth	1.5mm	3mm	5mm	10mm	15mm
25 x 25 x 4	8.5m <sup>2</sup>	4m <sup>2</sup>	2.5m <sup>2</sup>	1.2m <sup>2</sup>	0.8m <sup>2</sup>
100 x 100 x 8	17m <sup>2</sup>	8.5m <sup>2</sup>	5m <sup>2</sup>	2.5m <sup>2</sup>	1.7m <sup>2</sup>
200 x 200 x 8	34m <sup>2</sup>	17m <sup>2</sup>	10m <sup>2</sup>	5m <sup>2</sup>	3.4m <sup>2</sup>
330 x 330 x 9	50m <sup>2</sup>	25m <sup>2</sup>	15m <sup>2</sup>	7.5m <sup>2</sup>	5m <sup>2</sup>
600 x 600 x 10	81m <sup>2</sup>	40m <sup>2</sup>	24m <sup>2</sup>	12m <sup>2</sup>	8m <sup>2</sup>

**CHEMICAL RESISTANCE**

Chemical Reagents	Intermittent Exposure	Continuous Exposure
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**ACIDIC**

Sulphuric acid (20%)	R	R
Sulphuric acid (98%)	-	-
Nitric acid (10%)	R	R
Nitric acid (35%)	R	-
Hydrochloric acid (30%)	R	R
Formic acid (0.5%)	R	R
Formic acid (7%)	R	-
Acetic acid (2%)	R	R
Acetic acid (10%)	R	-
Phosphoric acid (50%)	R	R
Oleic acid	R	R
Saturated Tartaric acid (50%)	R	R
Saturated Citric acid (50%)	R	R
Lactic acid (10%)	R	R

**ALKALINE**

Saturated NaOH	R	R
Ammonia concentrated	R	R
Hydrogen Peroxide (10%)	R	R
Aluminium Chloride (40%)	R	R
Saturated Ammonium Chloride (20%)	R	R

**SOLVENTS**

Diesel oil	R	R
Unleaded Petrol	R	R
Ethanol (50%)	R	R
Ethanol (95%)	R	-
Methanol (50%)	R	R
Methanol (100%)	R	-
White spirits	R	R
Xylene	R	R
1,1,1 Trichloroethane	R	R
Mineral Turpentine	R	R
Acetone	-	-
Methylene chloride	-	-

**MISCELLANEOUS**

Bleach	R	R
Pool Chlorine	R	R
Water (distilled, mineral, sea)	R	R
Milk	R	R
Wine	R	R
Fruit Juice	R	R
Olive Oil	R	R
Motor Oil	R	R
Sugar	R	R

**CHEMICAL RESISTANCE**

Chemical Reagents	Intermittent Exposure	Continuous Exposure
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**MISCELLANEOUS**

Saturated sodium chloride	R	R
Saturated calcium chloride	R	R

Short term resistance - 7 day immersion. Long term resistance - 28 day immersion.  
**R** = Recommended.  
 ' - ' = Not recommended

The above is intended as a guide only. The guide is based on chemical resistance. In some cases slight discolouration may occur. Contact ARDEX if other reagents are encountered.

**TECHNICAL DATA****Product Identity****Type:**

Part A - Compound  
 Part B - Hardener  
 Part C - Colour Pack Filler

**Form and Colour:**

Part A: tan, medium viscosity liquid  
 Part B: amber, clear low viscosity liquid with an ammoniacal odour  
 Corrosive.  
 Part C: inert coloured powder

**Application Properties**

at 23°C at 50% RH

**Mixing Ratio (by volume):**

2:1:(5-7) (Part A: Part B: Part C)

**Pot Life:**

45 minutes at 23°C

**Approx Specific Gravity (mixture):**

1.6 - 1.8g/mL

**Application Temperature:**

+10°C to +30°C

**Application Humidity:**

30% - 70% RH

**Curing Time:**

Light Trafficable: 24 hours

Full cure and stain resistance: 7 days

(continuous): -20°C to +60°C

(intermittent): +105°C

**Service Temperature:****Flammability:**

Not flammable

**Mechanical Properties:**

ISO 13007

**Abrasion Resistance:**

≤250mm<sup>3</sup>

**Compressive Strength:**

≥60 MPa

**Flexural Strength:**

≥30 MPa

**Shrinkage:**

≤1.5mm/m

**Water Absorption after 240m:**

≤0.1g

**Classification:**

RG

# ARDEX EG15

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### **GUARANTEE**

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (“our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a “consumer” under the Australian Consumer Law and to that extent you need to be aware that: “Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure”.

### **DISCLAIMER**

The technical details, recommendations and other information contained in this data sheet 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 Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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.

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