ARDEX EG 900 C

Solvent Free Water Washable Industrial Strength Epoxy Grout

Use where outstanding chemical resistance and superior strength are required

Ideal for commercial kitchens and industrial applications such as meat processing plants, breweries, and other areas where chemical resistance is essential

Suitable for wall and floor, internal and external applications

Exceptionally easy clean off with water, no solvent required.

For joints from 1.5mm to 10mm

Use with range of ARDEX Colour Packs

Low VOC

CONFORMS TO ISO 13007

RG

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DESCRIPTION

ARDEX EG 900 C is a high performance solvent free water washable industrial strength epoxy grout designed for situations where outstanding chemical resistance and superior strength are required. ARDEX EG 900 C is exceptionally easy to clean up during application. It can be used in joints up to 10mm wide on walls and floors. ARDEX Eg 900 C is a 100% solids epoxy grout system.

FOR GROUTING (TILE TYPES)

All vitrified, fully vitrified, and porcelain tiles. NOTE: Porous, moisture sensitive, and textured tiles may require special application procedures. Contact ARDEX Technical Services (technicalservices@ardexaustralia.com).

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. Joint must be totally 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 EG 900 C should be mixed to the ratios below in parts per weight:

Part A Compound	1kg
Part B Hardener	0.6kg
Part C Colour Pack	5kg

MIXING

Only mix enough material that can be used within 45 minutes.

Transfer the measured amount of compound (Part A) to a suitable sized mixing container and add the hardener (Part B). Mix the two components using a low speed mechanical drill until a uniform mixture is obtained. Maintain mixing paddle head below surface of liquid to reduce entrapped air.

Add ARDEX Colour Pack (Part C Filler) in incremental amounts until a non-slump consistency with uniform colour is obtained. Filler addition can be adjusted to accommodate site conditions (e.g. ambient temperatures, joint width). Coverage will vary dependent on the amount of filler added. Reducing filler decreases coverage and makes clean up more difficult.

For wider joints, more filler may be necessary to obtain a firmer, non-slump consistency. 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.

To optimise the workability, incorporate less ARDEX Colour Pack Part C Filler at low temperatures and more Part C at high temperatures into the mix.

APPLICATION

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

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

Optimum pot life, coverage and workability are achievable when ARDEX EG 900 C 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.

CLEANING

For best results, cleaning should be completed within 15 minutes after application. Grouting and cleaning 1 - 2m^2 at a time is recommended. For porous and heavily textured tiles, contact ARDEX Technical Services (technicalservices@ardexaustralia.com).

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

Step 2. Using a cleaning cloth lightly soaked in water gently wipe in a circular motion and loosen the excess grout on the tile surface.

Step 3. Using a cleaning cloth lightly soaked in water, gently remove any further residue and smooth the 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. 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 cloth lightly soaked in water. For stubborn areas use a scourer. Clean residue no later than 24 hours after grout application.

DRYING TIME

Initial set and trafficable after 24 hours, full cure after approximately 7 days, after which time the grout joints are fully chemical resistant, at 23°C and 50% relative humidity

Allow longer for lower temperatures.

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PACKAGING

ARDEX EG 900 C is a three part system.

Part A: 1kg
Part B: 0.6kg
Part C: 5kg Colour Pack

SHELF LIFE

ARDEX EG 900 C 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. Light coloured epoxy grouts are subject to colour variation over prolonged periods.
- Exercise caution when grouting over soft or highly glazed tiles, ARDEX recommends a trial application
- 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.

SAFETY DATA - PART A

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. May form explosive peroxides.

Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing mist/vapours/spray. Avoid release to the environment. Wash all exposed external body areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.

SAFETY DATA - PART B

May be corrosive to metals. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause drowsiness or dizziness. May damage the unborn child. Toxic to aquatic life with long lasting effects.

Do not breathe mist/vapours/spray. Wash all exposed external body areas thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Keep only in original packaging. Do not eat, drink or smoke when using product. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If more than 15mins from Doctor, INDUCE VOMITING (If conscious). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Immediately call a Doctor/physician/first aider. IF ON SKIN: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage. Collect spillage. IF SWALLOWED: Call a Doctor/physician/first aider if you feel unwell. IN INHALED: remove person to fresh air and keep comfortable for breathing.

Store locked up. Store in a well ventilated place. Keep container tightly closed. Dispose of contents / container to authorised hazardous or special waste collection point in accordance with any local regulation. Keep out of the reach of children. Additional information is in the Safety Data Sheet (SDS) at **ardexaustralia.com**

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TECHNICAL DATA

APPLICATION PROPERTIES AT 23°C AND 50% RH	
Mixing Ratio (by weight)	5:3: 20 - 25 (Part A: Part B: Part C)
Mixing Ratio (by ratio)	2:3: 9 - 12 (Part A: Part B: Part C)
Pot Life	60 minutes at 23°C
Approx Specific Gravity (Mixture)	1.6g/cc
Application Temperature	+ 10°C to + 30°C
Curing Time	Trafficable: 24 hours Full cure: 10 days
Service Temperature	Continuous: - 20°C to + 60°C Intermittent: + 105°C
MECHANICAL PROPERTIES (ISO 13007)	
Compressive Strength	> 70 MPa
Flexural Strength	> 30 MPa
Abrasion Resistance	< 250mm^3
Shrinkage	< 1.5mm/m
Water Absorption	< 0.1g
Classification	RG

CHEMICAL RESISTANCE

CHEMICAL REAGENTS	7 days Exposure	28 days Exposure
ACIDIC		
Acetic Acid (10%)	R	R
Acetic Acid (25%)	R	-
Lactic Acid (25%)	R	R
Formic Acid (10%)	R	R
Formic Acid (25%)	R	-
Oleic Acid (100%)	R	R
Nitric Acid (10%)	R	R
Nitric Acid (35%)	R	-
HCL (30%)	R	R
Sulfuric Acid (98%)	R	R
ALKALINE		
Saturated Sodium Hydroxide	R	R
Ammonia concentrated	R	R
Hydrogen Peroxide (25%)	R	R
SOLVENTS		
Xylene	R	R
White Spirits	R	R
Diesel Oil	R	R
Mineral Turpentine	R	R
Methanol	R	R
MISCELLANEOUS		
Bleach	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

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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, 2 Buda Way Kemps Creek NSW 2178; Toll Free: 1800 224 070; Email: 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 of 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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