ARDEX EG 15

High Performance Epoxy Grout

High chemical and physical resistance

Exceptionally easy to clean off

Solvent-free and environmentally friendly

No shrinkage

For Walls & Floors: joints from 1.5mm to 15mm

Ideal for wet areas, swimming pools

For internal and external applications

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DESCRIPTION
ARDEX EG 15 is a high performance epoxy grout designed for situations that require strict standards of hygiene, high chemical and physical resistance. ARDEX EG 15 is exceptionally easy to clean up during application. It can be used in joints up to 15mm wide on walls and floors. ARDEX EG 15 is a 100% epoxy grout system.

FOR GROUTING (TILE TYPES)
All ceramic tiles, porcelain and can be used for moisture sensitive stones. Note: porous, moisture sensitive and textured tiles may require special application procedures, contact ARDEX Technical Service.

SURFACE 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 matte surface.

MIXING PROPORTIONS
ARDEX EG 15 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	6-8 parts/5kg

MIXING
Only mix enough material that can be used within 30 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 stirrer (e.g. electric drill) until a uniform mixture is obtained. Maintain mixing paddle head below surface of liquid to reduce entrapped air. Smaller quantities can be mixed by hand.

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 dependant 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 filler at high temperatures into the mix.

It is recommended not to mix the entire kit in case of a need to adjust the volume of the filler for your specific application, alternatively ensure you have additional filler on hand.

APPLICATION
Apply the mixed grout using a grout float, spatula, 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 using the grout float, wiping across the tiles in a diagonal motion.

Optimum pot life, coverage and workability are achievable when ARDEX EG 15 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 60 minutes at 23°C and 50% relative humidity.

DRYING TIMES
Initial set and trafficable after 24 hours, full cure after approx. 7 days, after which time the grout joints are chemically resistant, at 23°C and 50% relative humidity. Allow longer for lower temperatures.

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COVERAGE

Approximate coverage shown below. Allow 15 - 20% for wastage depending on site conditions, tile type etc.

Tile Size (mm)			Coverage per m^2 (per set)				
			Joint width (mm)				
Length	Width	Thick-ness	1.5mm	3mm	5 mm	10 mm	15 mm
25	25	4	8.5	4	2.5	1.2	0.8
100	100	8	17	8.5	5	2.5	1.7
200	200	8	34	17	10	5	3.4
330	330	9	50	25	15	7.5	5
600	600	10	81	40	24	12	8

CLEANING

For best results, cleaning should be completed within 15 minutes after application. Grouting and cleaning 1-2m^2 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: Wipe the surface with damp dense sponge with diagonal pattern motion to loosen the excess grout on the tile surface. Frequently clean the sponge in water. (Adding a small capful of cleaning vinegar to the wash water will improve the ability to clean.)

Step 3: Use a chamois to 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.
Note: Superior cleaning can be achieved by using solvents such as methylated spirits and a sponge only. However, cleaning with solvent may be a health and safety issue.

TECHNICAL DATA

Form & Colour:	
Part A: Compound	clear, colourless/pale yellow
Part B: Hardener	clear low viscosity amber liquid with ammonia odour
Part C: Colour Filler	coloured powder
Pot life:	60 minutes
Specific Gravity (mix):	approx. 2.0-2.1
Application Temperature:	+10°C to 30°C
Curing time:	trafficable: 24hrs full cure: 7 days
Compressive Strength:	≥ 60 Mpa
Flexural Strength:	≥ 20 Mpa

PACKAGING

ARDEX EG 15 is a 3 components system:

Part A: 1L
Part B: 500ml
Part C: 5kg

STORAGE AND SHELF LIFE

ARDEX EG 15 has a shelf life of not less than 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 container.

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CHEMICAL RESISTANCE

	Intermittent	Continuous
Chemical Reagents	Exposure	Exposure
ACIDIC		
Sulphuric acid (20%)	R	R
Nitric acid (20%)	R	-
Hydrochloric acid (30%)	R	R
Formic acid (7%)	R	-
Acetic acid (10%)	R	-
Phosphoric acid (50%)	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 (6%)	R	R
Aluminium Sulphate (40%)	R	R
Saturated Ammonia Chloride (20%)	R	R
SOLVENTS		
Diesel oil	R	R
Unleaded Petrol	R	R
Ethanol (95%)	R	-
Methanol (50%)	R	R
White spirits	R	R
Xylene	R	-
1,1,1 Trichloroethane	R	-
Mineral Turpentine	R	R
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

Intermittent exposure: several times a day.
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.

SAFETY PRECAUTIONS

Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice. Wear suitable gloves and eye protection and keep the product out of the reach of children.
Avoid generation of airborne dust during mixing, use only in well ventilated areas and wear appropriate respiratory equipment to avoid breathing vapour and fumes. If swallowed, do not induce vomiting, give a glass of water and contact a doctor. If skin contact occurs, remove contaminated clothing and wash skin thoroughly with warm soapy water. ARDEX EG 15 Part B may cause sensitisation from inhalation and skin contact. Serious risk of damage to the eyes. Consult the relevant Safety Datasheet for further information.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development.

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