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> [Ardex 8+9 Rapid Waterproofing and Crack Isolation Compound Kit Instruction Manual](#)

## Ardex 8+9

# Ardex 8+9 Rapid Waterproofing and Crack Isolation Compound Kit

## Instruction Manual

### 1. INTRODUCTION

The Ardex 8+9 Rapid Waterproofing and Crack Isolation Compound Kit is a two-component, solvent-free, cement-based membrane designed for rapid waterproofing and crack isolation. This kit provides a highly flexible and waterproof coating that protects against topside water infiltration, making it suitable for various interior and exterior applications prior to tile and stone installation. This manual provides detailed instructions for the proper use and application of the Ardex 8+9 system.

### 2. SAFETY INFORMATION

Always prioritize safety when working with construction materials. Read and understand all safety data sheets (SDS) before use. The following precautions are recommended:

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, chemical-resistant gloves, and a dust mask or respirator, especially during mixing.
- **Ventilation:** Ensure adequate ventilation in the work area to minimize inhalation of dust and fumes.
- **Skin and Eye Contact:** Avoid direct contact with skin and eyes. In case of contact, flush immediately with plenty of water and seek medical attention if irritation persists.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- **Storage:** Store components in a cool, dry place, away from direct sunlight and extreme temperatures. Keep out of reach of children and pets.
- **Disposal:** Dispose of unused material and empty containers according to local regulations.

### 3. PRODUCT OVERVIEW

The Ardex 8+9 kit consists of two components: Ardex 8 (liquid) and Ardex 9 (powder). When mixed, they form a flexible, waterproof, and crack-isolating membrane. This system is ideal for:

- Waterproofing commercial and residential bathrooms, showers, and kitchens.

- Protecting floors and walls from water infiltration.
- Providing crack isolation up to 1/8 inch (3 mm).
- Use on concrete balconies, patios, and swimming pools.
- Serving as a shower pan liner.
- Preventing efflorescence from the substrate.



Image 3.1: The Ardex 8+9 Rapid Waterproofing and Crack Isolation Compound Kit, featuring the liquid and powder components.

## 4. SETUP AND PREPARATION

### 4.1 Surface Preparation

Proper surface preparation is critical for optimal performance. Surfaces must be:

- **Clean:** Free from dust, dirt, oil, grease, paint, curing compounds, and other contaminants.
- **Dry:** Ensure the substrate is completely dry before application.
- **Structurally Sound:** Substrates must be solid, stable, and capable of supporting the intended load. Repair any damaged or loose areas prior to application.
- **Smooth:** Rough or uneven surfaces should be leveled to ensure uniform application and coverage.

### 4.2 Mixing Instructions

The Ardex 8+9 components must be mixed thoroughly to achieve the desired consistency and performance.

1. Pour the entire contents of Ardex 8 (liquid) into a clean mixing container.
2. Gradually add the entire contents of Ardex 9 (powder) to the liquid while continuously mixing with a low-speed drill (300-600 rpm) and a mixing paddle.
3. Mix for 3-5 minutes until a smooth, lump-free, homogeneous consistency is achieved. Avoid over-mixing, which can entrain air.
4. Allow the mixture to stand for 2-3 minutes, then remix briefly for 30 seconds.

5. The working time for the mixed material is approximately 30-45 minutes at 70°F (21°C). Adjust for temperature and humidity.



Image 4.1: Proper mixing of Ardex 8 liquid and Ardex 9 powder to achieve a smooth consistency.

## 5. OPERATING AND APPLICATION INSTRUCTIONS

### 5.1 Application Method

Apply the mixed Ardex 8+9 using a brush, roller, or trowel. Ensure complete and uniform coverage.

1. **First Coat:** Apply a thin, even first coat to the prepared substrate. Ensure all areas are covered, paying close attention to corners, seams, and penetrations.
2. **Drying Time:** Allow the first coat to dry for approximately 1-2 hours, or until it is tack-free and can be walked on without damage. Drying times may vary based on temperature and humidity.
3. **Second Coat:** Apply a second coat perpendicular to the first coat to ensure full coverage and build the required thickness.
4. **Crack Isolation:** For crack isolation up to 1/8 inch (3 mm), ensure the membrane fully bridges the crack with adequate thickness.
5. **Coverage:** A 100 sq. ft. kit provides approximately 100 sq. ft. of coverage for two coats. Commercial units can cover up to 300 sq. ft.



Image 5.1: Application of Ardex 8+9 using a brush, ensuring thorough coverage at wall-to-floor transitions.

### 5.2 Flood Testing

For shower pans and other wet areas, flood testing can be performed after the membrane has fully cured.

- The Ardex 8+9 membrane can be flood tested in as little as 4 hours after the final coat application, under ideal drying conditions.
- Ensure all drains are properly sealed before filling the area with water.
- Observe for any leaks over the recommended testing period (typically 24 hours).

## 6. MAINTENANCE

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Once cured and tiled, the Ardex 8+9 membrane requires no specific maintenance. Regular cleaning of the tiled surface should be performed according to the tile and grout manufacturer's recommendations. Avoid using harsh chemicals that could degrade grout or sealant materials.

## 7. TROUBLESHOOTING

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- **Poor Mixing:** If the mixture is lumpy or inconsistent, it indicates insufficient mixing. Ensure a low-speed drill with a proper paddle is used and mix for the recommended duration.
- **Short Working Time:** High temperatures or adding too much powder can shorten the working time. Work in cooler conditions if possible, and adhere strictly to the mixing ratio.
- **Poor Adhesion:** This is often due to improper surface preparation. Ensure the substrate is clean, dry, and free of contaminants.
- **Pinholes/Bubbles:** Can occur from over-mixing (entraining air) or applying too thick a coat. Apply in thin, even coats and avoid excessive agitation during mixing.
- **Slow Drying/Curing:** Low temperatures, high humidity, or poor ventilation can extend drying times. Ensure adequate airflow and maintain recommended environmental conditions.

## 8. SPECIFICATIONS

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Specification	Detail
Brand	Ardex
Model Number	8+9
Material	Polyurethane (Cement-Based Membrane)
Water Resistance Level	Waterproof
Item Form	Liquid and Powder (Mixed)
Color	Gray
Surface Recommendation	Tile
Crack Isolation	Up to 1/8 inch (3 mm)
Flood Test Time	As early as 4 hours
Item Weight	18.45 pounds (Kit)

Product Dimensions	7.09 x 11.42 x 12.2 inches
UPC	709850001754

## 9. WARRANTY

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For specific warranty information regarding the Ardex 8+9 Rapid Waterproofing and Crack Isolation Compound Kit, please refer to the official Ardex website or contact Ardex customer service directly. Warranty terms and conditions may vary and are subject to the manufacturer's policies at the time of purchase.

## 10. SUPPORT

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If you encounter any issues or have questions not covered in this manual, please contact Ardex technical support or visit their official website for further assistance. Always refer to the most current product data sheets and installation guidelines provided by the manufacturer.

**Ardex Official Website:** [www.ardexamericas.com](http://www.ardexamericas.com)