



Bathroom Waterproof

Installation Instruction



Arkknt®



Installation Guide

Drybath Guard

Waterproof & Vapor-Control Membrane

Product Overview

DryBath Guard is a reinforced waterproofing and vapor-control membrane engineered for bathrooms, showers, steam rooms, and other high-moisture areas. Lightweight, flexible, and easy to cut, it installs quickly while delivering a continuous, secure barrier that protects substrates from moisture and steam. Its multi-layer construction enhances durability and stability, ensuring long-term performance before tile, stone, or other finishes are applied.

Recommended Substrates

- Cement board
- Mortar bed
- Concrete
- Plumb, smooth, and structurally sound wall surfaces

Not recommended for: painted surfaces, loose substrates, or visibly wet and leaking bases

Required Tools

- Notched trowel (recommended 1/4" × 3/16")
- Utility knife or scissors
- Flat trowel or smoothing blade
- Measuring tape and level
- Compatible polymer-modified thin-set mortar

Surface Preparation

1. Ensure the substrate is clean, dry, dust-free, and free of oils or contaminants.
2. Repair cracks, unstable areas, or uneven surfaces.
3. Substrate temperature should be between **5°C–35°C (41°F–95°F)**.
4. Plan membrane layout, overlaps, and penetration locations in advance.

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Installation Steps

1. Cutting the Membrane

- Cut DryBath to the required dimensions for walls or floors.
- Allow extra material for corners, seams, and penetrations.

2. Applying Mortar

- Spread a uniform layer of thin-set mortar using a notched trowel.
- Work in manageable areas within the mortar's open time.

3. Embedding the Membrane

- Place DryBath onto the mortar bed.
- Use a smoothing tool to press from the center outward.
- Ensure full contact with no wrinkles, bubbles, or hollow spots.

4. Seams and Overlaps

- Side and end laps must overlap **at least 50 mm (2")**.
- Alternatively, seal joints using DryBath Seal Tape.
- Ensure a continuous waterproof barrier.

5. Corners and Detailing

- Use preformed corners or neatly cut pieces for inside and outside corners.
- Seal around penetrations such as shower heads, valves, and pipes.

6. Floor Areas (if applicable)

- Maintain slope toward the drain.
- Cut cleanly around the drain and fully seal the connection.

7. Curing

- Allow mortar to cure for **a minimum of 24 hours**.
- Tile or finish installation may begin after full adhesion is achieved.

Safety Guidelines

- Wear appropriate PPE and slip-resistant footwear.
- Avoid installation on wet, unstable, or contaminated surfaces.

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- Use caution when cutting with sharp tools.

Storage

- Store rolls horizontally or vertically in a dry, covered location.
- Avoid direct sunlight, excessive heat, or compression..

Maintenance & Warranty

DryBath Guard do not need special maintenance after installed; Lifetime warranty from the day of installation if it is quality defects.

Remark:

Recommendations on methods, materials, and construction details are provided by Ark Synthetics based on current knowledge and experience. They serve as a general guide for designers, contractors, and manufacturers. Installation should also consider local conditions, project-specific requirements, and guidance from designers or other qualified professionals. For project assistance, contact: info@arksynthetics.com

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Installation Guide

HeatFloor

Electric Floor Heating & Uncoupling Membrane

HeatFloor is an electric floor heating and uncoupling membrane that provides warmth, waterproofing, vapor management, and load distribution beneath tile and resilient floor coverings. The studded membrane securely holds heating cables in place, allowing fast installation without self-leveling compounds.

Suitable Substrates

- Concrete slabs
- Mortar beds
- Primed plywood subfloors (structurally sound)
- Self-leveling underlayments
- Existing tile (clean and properly bonded)

Not suitable for:

- Carpeting or soft underlays
- Uneven, unstable, or moisture-compromised substrates

Required Tools & Materials

- Utility knife or shears
- Measuring tape & marker
- Straightedge or smoothing tool
- Thin-set mortar (polymer-modified)
- HeatFloor Heating Cables (where heating is desired)
- Floor temperature sensor & compatible thermostat
- Floor covering materials (tile, stone, or approved resilient flooring)

Surface Preparation

1. Ensure substrate is clean, flat, dry, and structurally sound.
2. Remove debris, dust, coatings, or contaminants.

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3. Check substrate moisture if required by local codes.
4. Plan layout to minimize seams and cable routing interruptions.

Installation Steps

1. Dry Fit and Layout Planning

- Pre-cut membrane sections to fit room dimensions.
- Mark cable-free areas (toilet bases, cabinets, vents).
- Determine thermostat and sensor placement.

2. Apply Mortar

- Spread thin-set mortar using a suitable notched trowel.
- Cover only an area that can be immediately installed.

3. Embed the Membrane

- Press HeatFloor membrane fleece-backed side into mortar.
- Use a smoothing tool to ensure full contact and no voids.
- Align sheets with tight seams—do not overlap.

4. Install Heating Cable (if heating is required)

- Snap cable into stud channels without crossing or spacing irregularities.
- Maintain manufacturer-recommended cable spacing.
- Do not install under permanent fixtures.
- Install floor temperature sensor between cable runs.

5. Tile or Floor Covering Installation

- Apply thin-set mortar over the membrane and cable.
- Install tile, stone, or approved flooring directly above.
- Ensure full coverage without damaging cables.

6. Curing & Power Activation

- Allow mortar to cure per manufacturer recommendations.
- Do not energize the system until curing is complete.
- Connect thermostat and verify function after installation is finished.

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Waterproofing Considerations (Optional)

- Seal seams using HeatFloor sealing tape.
- Seal wall junctions where required.
- Ensure drain transitions are compatible for wet-area installations.

Safety Guidelines

- Follow electrical codes and use licensed electricians where required.
- Do not cut heating cable.
- Avoid sharp tools near energized components.
- Check resistance readings before, during, and after installation.

Storage

- Store flat or rolled in a dry, protected area.
- Avoid prolonged UV exposure or high heat.

Maintenance & Warranty

HeatFloor do not need special maintenance after installed; Lifetime warranty from the day of installation if it is quality defects.

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Installation Guide

ARK Waterproof Strip

Flexible Waterproofing & Joint-Sealing Strip

ARK Waterproof Strip provides reliable waterproofing for movement joints in wet-area installations. Its flexible, reinforced design accommodates structural and thermal movement, delivering a continuous, watertight seal for long-lasting protection.

Applications

- Expansion joints in walls and floors
- Construction joints in wet areas
- Wall-to-floor junctions
- Around penetrations such as shower drains, tubs, and pipes

Not suitable for: exposed exterior joints without coverage, loose or wet substrates

Tools & Materials Required

- Utility knife or scissors
- Measuring tape and marker
- Notched trowel for thin-set mortar
- Polymer-modified thin-set mortar compatible with your waterproofing system
- Roller or flat smoothing tool

Surface Preparation

1. Ensure the substrate is clean, dry, flat, and structurally sound.
2. Remove dust, debris, coatings, or loose particles.
3. For vertical joints, verify that corners are straight and aligned.
4. Plan the placement of strips along all movement joints and penetrations.

Installation Steps

1. Measure and Cut the Strip

- Cut ARK Waterproof Strip to the required length using scissors or a utility knife.
- Dry-fit the strip to confirm proper coverage over the joint.

2. Apply Thin-Set Mortar



- Spread a uniform layer of polymer-modified thin-set mortar along the joint using a notched trowel.
- Ensure full coverage where the strip will be embedded.

3. Embed the Strip

- Press ARK Waterproof Strip into the mortar.
- Use a roller or smoothing tool to remove air pockets and ensure full contact with the substrate.
- Overlap strip ends by at least 50 mm (2") when joining multiple strips.

4. Seal Corners and Transitions

- For inside/outside corners, cut and fold the strip to maintain continuous coverage.
- Extend strips slightly onto adjacent walls or floor surfaces to ensure watertight connections.

5. Integration with Membrane Systems

- ARK Waterproof Strip can be embedded into wet-set waterproofing membranes or uncoupling systems.
- Apply additional thin-set mortar over the strip if required by the membrane system instructions.

6. Curing

- Allow mortar to cure according to manufacturer recommendations before applying tile, stone, or other finishes.
- Avoid stressing or moving the strip during curing.

Safety Notes

- Wear appropriate personal protective equipment (PPE).
- Avoid installation on wet, unstable, or contaminated surfaces.
- Handle cutting tools with care.

Storage

- Store rolls flat or upright in a dry, covered location.
- Avoid direct sunlight, high heat, or heavy compression.

Maintenance & Warranty

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Installation Guide

ARK Waterproof Corners

Product Overview

Preformed, seamless corners that keep your tile assemblies leak-free. Perfect for inside and outside corners, including 135° angles on benches and curbs.

Recommended Applications

- Inside and outside wall corners
- Bench and curb corners, including 135° angles
- Junctions in showers, tubs, and wet-area walls
- Compatible with ARK waterproofing membranes, boards, and heated floor systems

Not suitable for: exposed exterior corners without protection, unstable or wet substrates

Required Tools & Materials

- Utility knife or scissors
- Measuring tape & marker
- Notched trowel or flat trowel for thin-set mortar
- Polymer-modified thin-set mortar compatible with ARK waterproofing systems
- Roller or smoothing tool

Surface Preparation

1. Ensure substrates are clean, dry, flat, and structurally sound.
2. Remove dust, debris, coatings, or loose particles.
3. For wall-to-floor corners, ensure the corner angle is true and free of gaps.
4. Plan the placement of preformed corners along all inside and outside corners.

Installation Steps

1. Dry Fit the Corner

- Position the ARK Waterproof Corner at the intended location.
- Verify proper fit and full coverage of the corner junction.

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2. Apply Thin-Set Mortar

- Spread a uniform layer of polymer-modified thin-set mortar along the surfaces where the corner will be embedded.
- Ensure the mortar fully covers the contact areas of the substrate.

3. Embed the Preformed Corner

- Press the ARK Waterproof Corner into the mortar, ensuring full contact with the substrate.
- Use a roller or smoothing tool to remove air pockets and ensure a tight seal.

4. Integrate with Membrane Systems

- Embed adjoining ARK membranes or boards into the corner with thin-set mortar.
- Ensure seamless, watertight connections with no gaps or overlaps.

5. Curing

- Allow mortar to cure according to manufacturer recommendations before installing tiles, stone, or other finishes.
- Avoid stressing or moving the corner during curing.

Safety Notes

- Wear appropriate personal protective equipment (PPE).
- Avoid installation on wet, unstable, or contaminated surfaces.
- Handle cutting tools with care.

Storage

- Store corners in a dry, covered environment.
- Avoid prolonged UV exposure or high heat.

Maintenance & Warranty

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