



# DURAL AQUA-DAM 100

## HYDROPHOBIC POLYURETHANE GROUT

### DESCRIPTION

DURAL AQUA-DAM 100 is a hydrophobic polyurethane grout packaged in a convenient single cartridge. DURAL AQUA-DAM 100 is injected into concrete and other sound substrates to stop water from entering into occupied or unwanted places. DURAL AQUA-DAM 100 is perfect for small jobs where the use of standard pumping equipment isn't feasible or possible. DURAL AQUA-DAM 100 forms a water tight seal within the substrate, with very little shrinkage after curing.

### PRIMARY APPLICATIONS

- Leaking cracks and joints
- Basement walls
- Below grade walls subject to high water tables
- Mines & tunnels
- Sewers & manholes

### FEATURES/BENEFITS

- Tenacious bond to wet and dry substrates
- Fast reaction time
- Very little shrinkage
- Needs very little water to react and cure
- Remains active when the water subsides
- Excellent elongation to handle moving cracks and joints

### TECHNICAL INFORMATION

TYPICAL PROPERTIES	RESULT
Viscosity @ 77°F (25°C)	300 ± 100 cps
Specific Gravity	1.08
Color	Amber
Density	5 lb/ft <sup>3</sup> (80 kg/m <sup>3</sup> )
Elongation	140%
Tensile Strength	25 psi (0.17 MPa)

REACTIVITY ON CONTACT WITH WATER	
Initial Foam	60 seconds
Reaction Time	7 minutes

### PACKAGING

DURAL AQUA-DAM 100 is packaged in cases of 11 oz. (325 ml) cartridges (12 cartridges per case).

### SHELF LIFE

1 year in original, unopened cartridges

## DIRECTIONS FOR USE

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**Surface & Crack Preparation:** To ensure the project is completed properly, clean the exterior of the surface so that the full extent of the crack or joint is visible. Using a wire brush or a wire wheel on a grinder, vigorously clean the crack or joint to allow maximum penetration of the grout. While typically not needed, small pilot holes can be drilled directly into the face of the crack allowing for easy insertion of the cartridge tip into the crack.

**Mixing:** While mixing is not necessary, shake the DURAL AQUA-DAM 100 cartridges vigorously prior to dispensing. There is a chance that some settling may have occurred within the cartridge during storage.

**Placement:** Prior to dispensing DURAL AQUA-DAM 100, ensure the crack or joint has been flushed out with water to remove any dust or debris left behind by the preparation process. Do not remove any of the excess water. The DURAL AQUA-DAM 100 will use this water to react. Start at the lowest point of a vertical crack, or at either end of a horizontal crack. Place the tip of the cartridge inside the crack and apply slow and steady pressure to the dispensing tool. The DURAL AQUA-DAM 100 grout will enter the crack and joint and start to displace the water within. The grout will shortly start to foam up and travel up the crack. Once you observe the grout ceasing to move further up the crack, remove the tip of the cartridge from its current position, and place it at the point the grout movement stopped. Continue this action until you have reached the top or end of the crack or joint. Once cured, DURAL AQUA-DAM 100 will resemble a hardened foam. Using a margin trowel or similar scraper, remove the excess grout from the face of the crack or joint. Any topically applied, aesthetically pleasing compound can now be placed over the grouted area if desired.

## CLEAN-UP

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Use all appropriate protective equipment. Avoid contact with the active grout. A solvent based cleaner can be used to clean any tools used in this procedure.

## PRECAUTIONS/LIMITATIONS

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- Colder temperatures will affect the viscosity and setting times of the product.
- Avoid exceeding 90°F (32°C) when warming product.
- Water mixed with DURAL AQUA-DAM 100 must be in the pH range of 3-10.
- Store material at room temperature. Avoid freezing conditions.
- In all cases, consult the Safety Data Sheet before use.

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