

DURAL AQUA-DAM 200F

RAPID SETTING, HYDROPHOBIC POLYURETHANE CARTRIDGE SYSTEM

DESCRIPTION

DURAL AQUA-DAM 200F is a hydrophobic polyurethane grout packaged in a convenient dual cartridge. DURAL AQUA-DAM 200F is injected into concrete and other sound substrates to rapidly stop water from entering into occupied or unwanted places. DURAL AQUA-DAM 200F is perfect for small jobs where the use of standard pumping equipment isn't feasible or possible. DURAL AQUA-DAM 200F quickly forms a water tight seal within the substrate, with very little shrinkage after curing.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

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

TECHNICAL INFORMATION

TYPICAL PROPERTIES	RESULT	TEST METHOD
Viscosity @ 77°F (25°C)	250 cps "A" Side 500 cps "B" Side	ASTM D 1638
Water Absorption (Volume Confined)	< 1%	ASTM D 2127
Color	Amber	-
Density	2 lb/ft ³ (32 kg/m ³)	ASTM D 1622
Elongation	5%	ASTM D 1623
Tensile Strength	73 psi (0.50 MPa)	ASTM D 1623
Shear Strength	48 psi (0.33 MPa)	ASTM C 273
Compressive Strength	37 psi (0.26 MPa)	ASTM D 1621
Class I	YES	ASTM E 84 @ 2 inches (5.1 cm)
USDA Approved	YES	-

PACKAGING

DURAL AQUA-DAM 200F is packaged in 22 oz. (650 ml) dual cartridges. 12 to a case.

SHELF LIFE

DURAL AQUA-DAM 200F has a 1 year shelf life in its original, unopened cartridge.



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DIRECTIONS FOR USE

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 can be seen. 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 to allow for easy insertion of the cartridge tip into the crack.

Mixing: While no mixing is necessary, shake the DURAL AQUA-DAM 200F cartridges vigorously prior to dispensing. There is a chance that some settling has occurred within the cartridge during storage.

Placement: Prior to dispensing DURAL AQUA-DAM 200F, make sure the crack or joint and any drilled holes have 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; for the DURAL AQUA-DAM 200F grout will use this water to react. Remove the shipping cap and plugs from the dual cartridge and place in a dispensing tool. Holding the cartridge over a waste receptacle, dispense a small amount to make sure an even amount of grout is coming out of both sides of the cartridge. Place the static mixing nozzle on the cartridge and proceed. 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 or pilot hole and apply slow and steady pressure to the dispensing tool. The DURAL AQUA-DAM 200F grout will enter the crack and joint and start to displace the water within. The grout will quickly 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 200F 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

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

- Colder temperatures will affect the viscosity and setting times of the product.
- Avoid exceeding 90°F (32°C) when warming product.
- Water used to react DURAL AQUA-DAM 200F must be in the pH range of 3-10 for optimal performance.
- Store material at room temperature. Avoid freezing conditions.
- In all cases, consult the Material Safety Data Sheet before use.

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