

PRODUCT DATA SHEET

Mortartec Hydrxx-3™



PRODUCT PROFILE

GENERIC DESCRIPTION

Rapid Set Hydraulic Cement

COMMON USAGE

Epoxytec Mortartec Hydrxx-3 is a rapid-setting, industrial-grade hydraulic cement compound designed for structural patching, and as a leak-stopping water plug. The product stops running water and seepage through concrete or masonry walls, ceilings, and floors. Packaged in dry powder form, Hydrxx-3 requires only the addition of clean water to make it ready to use. Epoxytec Mortartec Hydrxx-3 contains no metallic fillers and will not shrink or oxidize. Hydrxx-3 is designed for an ultra-quick reaction and sets in 3-5 minutes. The product is primarily designed to repair voids and fill active leaks in cracks or holes, and is not intended as a surfacer for application to flat surfaces or for lining or coating a wall.

COLORS

Gray

COATING SYSTEM

PRIMERS

Self-priming

SURFACE PREPARATION

All repair areas should be free of loose material, dirt, dust, algae, mildew and any paint, sealant, or other non-cementitious coating. Preparation should include enlarging small cracks and holes. Back chisel out the area to be patched to the shape of an inverted "V" (the point at the surface) until loose, crumbling masonry is removed and a sound surface remains. This allows the patch to expand and lock into the surface. Edges should be square or undercut. Wet down the area prior to patching.

ALL SURFACES

Must be clean, sound and free of oil, grease, curing compounds and other contaminants. Always take precautions to prohibit the surface from becoming contaminated prior to product application.

TECHNICAL DATA

VOLUME SOLIDS

100%

RECOMMENDED DFT

1 to 4 inches (25.4 to 101.6 mm)

CURING TIME

3 to 5 minutes at 75°F (24°C)

VOLATILE ORGANIC COMPOUNDS (VOCs)

0.00 lbs/gallon (0 grams/litre)

THEORETICAL COVERAGE

50 lb. kit yields approximately 0.5 cubic feet (0.014 cubic meters) and will cover 6 sq. ft. (0.56 m²) at a 1 inch (1000 mils) thickness.

NUMBER OF COMPONENTS

One

PACKAGING

50 lb. bag in plastic pail (LPK).

NET WEIGHT

55 lbs (23 kg)

STORAGE TEMPERATURE

Minimum 40°F (4°C) Maximum 95°F (35°C)

For optimum handling and application characteristics, condition product between 65°F to 75°F (18°C to 24°C) prior to use.

Protect from moisture; store in dry environment.

SHELF LIFE

12 months at recommended storage temperature.

FLASH POINT - SETA

N/A

HEALTH AND SAFETY

This product contains chemical ingredients which are considered hazardous. Read container label warning and Safety Data Sheet for important health and safety information prior to the use of this product. **Keep out of the reach of children.**



APPLICATION

COVERAGE RATES

1 lb. (0.45 kg) will fill 18 cubic inches (294 cubic cm) or a crack 3/4 inch x 3/4 inch x 30 inch (1.9 cm x 1.9 cm x 76.2 cm).

MIXING

Mix only the amount of Hydrxx-3 that can be applied in 2 to 3 minutes after mixing. Add powder to water to blend 4 parts of Hydrxx-3 with 1 part potable water by volume, until a heavy putty consistency is achieved. Quickly roll the mixture between your gloved hands to mix. In most cases, limit batch size to 4 to 6 oz (113 to 170 g) of powder. Using 4 oz (128 g) of powder and 1 oz (28 g) of water will provide a golf ball size mix, which is appropriate for most applications. **Note:** At temperatures below 50°F (10°C), use warm water.

APPLICATION

Hydrxx-3 and water should be at room temperature. The surface should be soaked with warm water before application. Mix 3 parts Hydrxx-3 and 1 part water thoroughly until a putty or heavy troweling consistency is achieved. Starting at the top of the crack and working down, apply Hydrxx-3 while maintaining light pressure on the patch. Maintain pressure until initial set begins and the leaking is stopped. If more than one application is needed to fill the active leak, each application must be made before the prior one has set completely. This mixture will set in 3 to 5 minutes. Mix only enough for immediate use due to the quick setting time. **Note:** The use of colder water will retard the setting time. Hydrxx-3 cannot be reworked once it has set. In cold weather, use warm (90°F) water for mixing. Mix only enough for use in 3 minutes. Discard all leftover mixed patching material prior to starting a new batch.

Active Leaks: Mix the appropriate amount of Hydrxx-3. In approximately 2 to 3 minutes, the mixture will become warm to the touch. This means it is beginning to set. At this time, force Hydrxx-3 into the opening. Hold it in place for 3 to 5 minutes to ensure a complete set and bond sufficient enough to stop the flow of water. The patched area may be smoothed and trimmed to the surrounding area in approximately 5 minutes.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 95°F (35°C)

CLEANUP

Flush and clean all equipment immediately after use with soap and water.