

## PRODUCT DATA SHEET

# Mortartec Hydrxx-1™



### PRODUCT PROFILE

#### GENERIC DESCRIPTION

Rapid Set Hydraulic Cement

#### COMMON USAGE

Epoxytec Mortartec Hydrxx-1 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-1 requires only the addition of clean water to make it ready to use. Epoxytec Mortartec Hydrxx-1 contains no metallic fillers and will not shrink or oxidize. Hydrxx-1 is designed for an ultra-quick reaction and sets in 60 to 90 seconds. 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

60 to 90 seconds 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 m<sup>2</sup>) 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.



**TECHNICAL DATA (cont.)****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). 4 ounces (0.11 kg) will fill 4 cubic inches (66 cubic cm).

**MIXING**

Mix only the amount of Hydrxx-1 that can be applied quickly after mixing. Add powder to water to blend 4 parts of Hydrxx-1 with 1 part potable water by volume, until a heavy putty consistency is achieved. 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.

**Dry Powder Mixing Method:**

Dry powder intended to interact immediately once in contact with running water for leak stopping. Hydrxx-1 sets in 60 to 90 seconds depending upon the temperature of the mixing water, the surface onto which it is applied, and the mass. Low temperatures will retard the set-time. Higher temperature will accelerate the set-time.

**Note:** At temperatures below 50°F (10°C), use warm water.

**APPLICATION**

Mortartec Hydrxx-1 application is typically conducted with holding dry powder against actively leaking low pressure water flow. In some instances, small amounts of water can be added to start reaction and gain body and consistency. Starting at the top of the crack and working down, apply Hydrxx-1 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. Force the dry powder of Hydrxx-1 into the leaking crack or hole using maximum pressure. When areas of high water pressure are encountered, premix powder with water to create putty-like consistency (time is of the essence); then immediately push and force the material into the opening and hold firmly in place with palm, trowel or wood block until set. Shave the surface flush with a sharp pointing tool, knife or trowel. Plug a long running opening or crack with successive small rolls of Hydrxx-1.

**APPLICATION EQUIPMENT**

Hand tool mixing with various mortar hand tools, such as spatulas, putty knives, and mortar hawk and trowel.

**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.