



800 324 9584 | 3333 R. ARRINGTON N. • BHAM, AL 35234

## TECHNICAL DATA

### MORTARCHEM

## COATING DATA

### DESCRIPTION:

A high performance, ceramic modified cementitious mortar for patching and filling voids and bugholes in concrete substrates, while providing a smooth masonry surface. Mortarchem can be topcoated with most high performance epoxies and polyurethanes for use in mild to aggressive exposure.

## MORTARCHEM CERAMIC MODIFIED CEMENTITIOUS MORTAR

- High build coating that may be applied up to 1/4" in one coat.
- Complies with current U.S. EPA National Volatile Organic Compound (VOC) Emission Standards for OTC states effective January 1, 2005 and proposed for national AIM regulations in 2009.

### USE:

Mortarchem is ideal for smoothing and protecting vertical concrete surfaces.

### LIMITATIONS:

Do not use in applications below 45° F or above 90° F.

### SURFACE PREPARATION:

Prepare surface per recommendation of the specified topcoat for the intended exposure and service.

New concrete must cure for at least 28 days. Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP 13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Moisture Vapor Transmission should not exceed three lbs. per 1,000 sq ft in a 24 hour period as tested per ASTM F1869 "Standard Test Method for Measuring Moisture Vapor Transmission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride". Abrasive blast or mechanically abrade concrete surfaces to remove laitance, curing compounds, and other contaminants to provide and ICRI-SCP 4-6 surface profile.

### THEORETICAL COVERAGE:

@ 1/16"	72 ft <sup>2</sup>
@ 1/8"	36 ft <sup>2</sup>
@ 1/4"	18 ft <sup>2</sup>

## APPLICATION DATA

### BLEND RATIO:

One Part Mortarchem Part A Base to one part Mortarchem Part B Activator with the contents of Mortarchem Part C.

**POT LIFE:**

1 hour @ 75°F

**APPLICATION:**

**Trowel:** Use high quality steel, stiff concrete finishing trowels, broad knives and rubber floats. A radius or margin trowel is recommended for troweling inside and outside corners. **Hydraulic Spray:** Use of a WIWA 410 9:1 or 600 12:1 pump may be used to spray material on to substrate. For a smoother appearance when sprayed, trowel and/or use a ¼" nap roller cover to backroll.

**THINNING:**

Not required. For low pressure spray application to transfer the Mortarchem, may thin up to 6 oz per kit. Use potable water for reduction.

**CLIMATE:**

Use this product only if the substrate temperature and ambient air temperature are between 45°F and 90° F.

**DRY TIME:**

TO TOUCH—Four hours at 75°F

TO RECOAT WITH ITSELF—anytime up to 2 hours maximum

TO TOPCOAT -16 hours minimum

**PHYSICAL DATA:**

VOLUME SOLIDS: 100% (mixed)

SOLIDS BY WEIGHT: 100% (mixed)

WEIGHT PER GALLON: 9.5± .2 lbs/per gallon

VOLATILE ORGANIC CONTENTS: .25 lbs./gallon or 30 g/l

HAZARDOUS AIR POLLUTANTS (HAPS) – 0.0 lbs./gallon

COLOR: Gray

**SAFETY DATA:**

See individual product label for safety and health information. Individual Material Safety Data Sheets are available upon request.