

# CHEM-PATCH-HS



## ONE-PART PATCHING AND REPAIR MATERIAL

### DESCRIPTION:

**CHEM-PATCH HS** is a two component, patching repair material for use on new and existing concrete and masonry surfaces. This product is designed for patching or reconstruction of damaged concrete or masonry; interior or exterior. Segregated or honeycombed walls, columns and foundations; cracked or broken stucco or masonry; precast concrete members, curbs, gutters and pavements may be repaired with **CHEM-PATCH-HS**.

### PRIMARY APPLICATIONS:

- Walls
- Pavements
- Curbs and gutters
- Precast panels
- Columns
- Masonry units

### FEATURES / BENEFITS:

- Two component material-ready to use
- Fast setting with no added chlorides or corrosive accelerators
- Designed for patches from 1.5 mm to 150-mm in depth
- Easy to use mortar which saves time, labor and excessive forming.
- Close in color to plain concrete

### PACKAGING / YIELD:

**CHEM-PATCH HS** is packaged in 20 kg Bag Part A + 4 Kg Liquid Can Part B which yield 0.010 Cubic Meter when mixed.

### TECHNICAL INFORMATION:

#### Typical Engineering Data

The following results were developed under laboratory conditions.

#### Compressive Strength

ASTM C-109 50 mm cubes

#### Age Strength

1 day 2,000 psi (14 MPa)  
3 days 3,500 psi (24 MPa)  
7 days 4,500 psi (31 MPa)  
28 days 5,500 psi (38 MPa)

#### Bond Strength:

ASTM C-1042  
28 days 1,400 psi (10 MPa)

**Setting time:**

**Working Time:** 20 Minutes

**Density:** 2220 kg/Cubic Meter

### COVERAGE:

One 24 kg unit of **CHEM-PATCH-HS** will cover approximately 0.90 Sq.m when placed at an average depth of 13 mm

NOTE: THIS PRODUCT REQUIRES A CURING COMPOUND WHICH MUST BE ORDERED SEPARATELY.

### DIRECTIONS FOR USE:

**Surface Preparation** - New concrete must be a minimum of 3 days old. The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using the proper equipment which will give a surface profile of a minimum 3 mm and expose the large aggregate of the concrete.

**Bonding** After the surface has been prepared; prime all areas with a slurry coat of suitable bonding agent. Place the topping on the slurry coat before it dries and cures.

**Slurry Coat** - Mix **CHEM-PATCH-HS** as instructed but add an additional 1 liter of water per unit. Brush the slurry coat onto the prepared and pre-dampened concrete. Apply the **CHEM-PATCH** repair mortar before the slurry coat has dried. For a stronger bond use the slurry coat or substitute 1 liter of CHEMBOND latex additive in place of the one 1 liter of water used in making the **CHEM-PATCH-HS** slurry.

**Mixing** - Mix for 2-3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

**Placement** -Place **CHEM-PATCH-HS** material onto the prepared concrete or masonry surface. Float or trowel flush with adjacent surface and allow to stiffen. Finish matching the surrounding surface. Place **CHEM-PATCH-HS** while the bond coat is still wet. Curing not required,being a polymer modified mortar it has self-curing phenomena.