



# SYSTEM 49-CPBA

## Latex-Modified Cement-Based Primer & Bonding Agent

### DESCRIPTION:

**SYSTEM 49 CPBA** is a one-component, polymer-modified cementitious primer and bonding agent designed to protect steel reinforcement from corrosion while promoting adhesion between patching compounds and concrete and steel substrates.

### FEATURES:

**Bonding:** Excellent adhesion to concrete, steel and stainless steel.

**Open Time:** Provides long working times, when desired, between priming and subsequent patch application.

**Flash Rust Resistance:** Does not cause flash rusting of steel reinforcement.

**Protection:** Protects steel from corrosion due to water and salt exposures.

**Compatibility:** Compatible with both steel and concrete substrates, eliminating the need for masking of steel components prior to coating.

### DIRECTIONS FOR USE:

**SYSTEM 49 CPBA** may be applied by brush, roller or hopper-type spray. Loose scale and rust should be removed from steel prior to product application. Concrete should be clean, sound, dust-free and pre-dampened with water.

**Mixing:** Add 1 gallon clean water to one 50-lb. pail of **SYSTEM 49 CPBA** powder. Mix thoroughly to achieve a uniform, heavy paint consistency using slow speed drill (250-450 rpm) and “Jiffy” type mixer. Mix consistency can be adjusted by using  $\pm 12$  ounces of water, to suit application method and conditions. Do not retemper or add additional water after final consistency adjustment.

Once mixed, pot life is approximately 1 to 2 hours. Discard any unused material after this time has elapsed.

### PERFORMANCE:

CORROSION RESISTANCE: 20 mils, 2500 hrs.			
Substrate:	Cold-Rolled Steel	Rusted Cold-Rolled Steel	Galvanized Steel
<b>A. Salt Spray</b>			
Adhesion Loss	None	None	None
Blistering	None	None	None
Undercutting	None	No Data	No Data
<b>B. High Humidity</b>			
Adhesion Loss	None	None	No Data
Blistering	None	None	No Data
<b>C. Water Immersion</b>			
Adhesion Loss	None	None	No Data
Blistering	None	None	No Data
<b>D. Natural Weathering (Oceanfront), 3 Years</b>			
Rusting	Slight	None	None
Cracking	None	None	None

**Application:** Apply to steel and concrete surfaces in a heavy, uniform film. Application rate is approximately 30 square feet per gallon of mixture per coat, and generally two coats are applied. Total dry film thickness is 15-20 mils. Second coat may be applied any time after the first coat has dried.

**MINIMUM APPLICATION TEMPERATURE:  
40°F (10°C)**

Do not apply when surface and air temperatures may fall below the minimum temperature prior to through-drying. Surfaces may be conditioned with hot air or warm water, if necessary, when working at temperatures close to the minimum.

**Topping:** Compatible cement-based toppings and patching compounds may be applied anytime after application of the second coat of **SYSTEM 49 CPBA**. Compatible products include **EXPO 43, SYSTEM 44, SYSTEM 44-V/O, Custom SYSTEM 45, SPEC-JOINT 46, DECK-TOP 47, LEVEL-X52, PUMP-X53, CEMPLAST 54 and THIN FILL 55.**

**SYSTEM 44-FS, DECK-TOP 47-RC, PUMP-X53i and PUMP-X53iE** should only be installed over fully-cured **SYSTEM 49 CPBA**. (Allow a minimum of 48 hours after second application before topping.)

**Curing:** In Hot, dry, and windy conditions, mist product with clean water to avoid too-rapid drying. After this brief initial moist period, no special curing procedures are required.

**SAFETY & HANDLING:**

WARNING! CONTAINS CEMENT AND LIME. IRRITATING TO EYES AND SKIN. Product is alkaline on contact with water. Use rubber gloves and paddle to avoid skin contact, and chemical splash goggles to avoid eye contact. In case of eye contact, flush with clean water for 15 minutes and CALL PHYSICIAN. Wash thoroughly after use and before eating or smoking. Do not take internally.

**For Commercial and Industrial Use Only.**



Revised: 01/2018

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