



4225 W. Ogden Ave. • Chicago, IL 60623 • Phone: (773) 522-1900

SIKATOP® 123 PLUS

Two component, polymer modified, cementitious, non-sag mortar plus FerroGard 901 penetrating corrosion inhibitor

DESCRIPTION

SikaTop 123 PLUS is a two component polymer modified, portland cement, fast setting, non-sag mortar for vertical and overhead surfaces, and offers the additional benefit of FerroGard901, a penetrating corrosion inhibitor.

WHERE TO USE

- On grade, above, and below grade on concrete and mortar
- On vertical and overhead surfaces
- As a structural repair material for parking structures, industrial plants, water/waste water treatment facilities, roads, walkways, bridges, tunnels, dams, ramps, etc.
- Approved for repairs over cathodic protection systems.

ADVANTAGES

- High compressive and flexural strengths
- High early strengths
- Increased freeze/thaw durability and resistance to de-icing salts
- Conforms to ECA/USPHS standards for surface contact with potable water
- USDA approved
- ANSI/NSF Standard 61 potable water approved

HOW TO USE

SUBSTRATE

Concrete, mortar, and masonry products

SURFACE PREPARATION

Concrete/Mortar: Remove all deteriorated concrete, dirt, oil, and grease. Be sure repair area is not less than 1/8" in depth. Substrate should be saturated surface dry (SSD) with no standing water, during application.

Reinforcing Steel: Steel reinforcement should be thoroughly prepared by mechanical cleaning to remove all traces of rust. For priming of reinforcing steel, use Sika Armatec 110 EpoCem.

PRIMING

Concrete Substrate: Prime the prepared substrate with a brush or sprayed applied coat of Sika Armatec 110 EpoCem. Alternately, a scrub coat of SikaTop 123 can be applied prior to placement of the mortar. The repair mortar has to be applied into the wet scrub coat before it dries.

PACKAGING AND YIELD

Component 'A' - 1 gal. plastic jug Component 'B' - 44 lb. multi-wall bag
Approximate yield: .39 cu.ft/unit

TYPICAL DATA FOR SIKATOP 123 PLUS

(Material and curing conditions @ 73F (23C) and 50% R.H.)

APPLICATION TIME	Approximately 15 min. after adding Component 'B' to Component 'A'. Application time is dependent on temperature and relative humidity.	
FINISHING TIME	20 to 60 min after combining components; depends on temperature, relative humidity, and type of finish desired.	
FLEXURAL STRENGTH (ASTM C-293)		
28 days	2,000 psi	(13.8 MPa)
BOND STRENGTH* (ASTM C-882 MODIFIED)		
28 days	2,200 psi	(15.2 MPa)
COMPRESSIVE STRENGTH (ASTM C-109)		
1 day	3,500 psi	(24.1 MPa)
7 days	6,000 psi	(41.4 MPa)
28 days	7,000 psi	(48.3 MPa)

CORROSION TESTING FOR FERROGARD 901

Cracked Beam Corrosion Tests:

Reduced corrosion rates 63% versus control specimens
ASTM G109 modified after 400 days

SIKATOP® 126 PLUS

Two component, polymer modified, cementitious, non-sag mortar plus FerroGard 901 penetrating corrosion inhibitor

ADVANTAGES

- Time/labor-saving material application up to 3 inches on vertical surfaces in one layer.
- Application by hand or low pressure wet-spray method

DESCRIPTION

SikaTop 126 PLUS is a two-component, polymer modified, cementitious ready to use repair mortar which can be applied by trowel or low pressure wet spray process. It is specially formulated for vertical and overhead concrete substrates and combines easy handling characteristics and high performance properties.

WHERE TO USE

- Fast repairs to overhead and vertical concrete or mortar surfaces on grade, above and below grade.
- As a repair material for building facades, parking structures, industrial plants, bridges, etc.

HOW TO USE

SUBSTRATE

Concrete, mortar, and masonry products

SURFACE PREPARATION

Concrete/Mortar: Remove all deteriorated concrete, dirt, oil, and grease. Be sure repair area is not less than 1/8" in depth. Substrate should be saturated surface dry (SSD) with no standing water, during application.

Reinforcing Steel: Steel reinforcement should be thoroughly prepared by mechanical cleaning to remove all traces of rust. For priming of reinforcing steel, use Sika Armatec 110 EpoCem.

PRIMING

Concrete Substrate: Prime the prepared substrate with a brush or sprayed applied coat of Sika Armatec 110 EpoCem. Alternately, a scrub coat of SikaTop 126 can be applied prior to placement of the mortar. The repair mortar has to be applied into the wet scrub coat before it dries.

PACKAGING AND YIELD

5 gal. unit consisting of 3.5 gal. plastic pail of Component 'A' and a 45 lb. multi-wall bag of Component 'B'.
First coat coverage: 100-150 sq. ft/gal.
Second coat coverage: 150 sq. ft/gal.
Coverage is dependent upon substrate texture and porosity.

TYPICAL DATA FOR SIKATOP 126 PLUS

(Material and curing conditions @ 73F (23C) and 50% R.H.)

WORKING TIME	Approximately 30 minutes.	
FINISHING TIME	(initial set) 2-3 hours	
COMPRESSIVE STRENGTH (ASTM C-109)		
1 day	2,500 psi (17.2 MPa)	
7 days	3,500 psi (24.1 MPa)	
28 days	5,500 psi (37.9 MPa)	
FLEXURAL STRENGTH (ASTM C-293)		
1 day	650 psi	(4.5 MPa)
28 days	1,600 psi	(11.0 MPa)
BOND STRENGTH* (ASTM C-882 MODIFIED)		
28 days	2,500 psi	(17.2 MPa)

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