

SikaTop 122 Plus

Application Instructions



SikaTop 122 Plus

- ▲ Two-component, polymer-modified, portland cement based.
- ▲ Fast-setting, trowel-grade mortar.
- ▲ High performance repair mortar for horizontal and vertical surfaces (with forms).
- ▲ Offers the additional benefit of FerroGard 901- A penetrating corrosion inhibitor.



SikaTop 122 Plus

▲ Where to use:

- On, above, and below grade on concrete and mortar.
- On horizontal surfaces.
- As a structural repair material for:
 - Parking structures.
 - Industrial plants.
 - To level concrete surfaces.
 - Walkways, bridges, tunnels, dams, ramps, etc.



SikaTop 122 Plus

▲ Packaging:

- “A” Comp: 1 gal Jug of Dispersion.
- “B” Comp: 61.5 lb Multi-wall bag.

▲ Coverage:

- .51 cu. ft / unit mortar.
- .864 cu. inches per unit.



Surface Preparation

- ▲ **Cementitious Substrates:**
 - Should be clean and sound.
 - Remove contaminants and bond inhibiting materials from repaired area.
 - Obtain exposed/fractured aggregate surface ~1/16 to 1/8 inch profile (ICRI CSP 5 & above).
 - Substrate must be saturated surface dry (SSD) with no standing water.



Surface Preparation

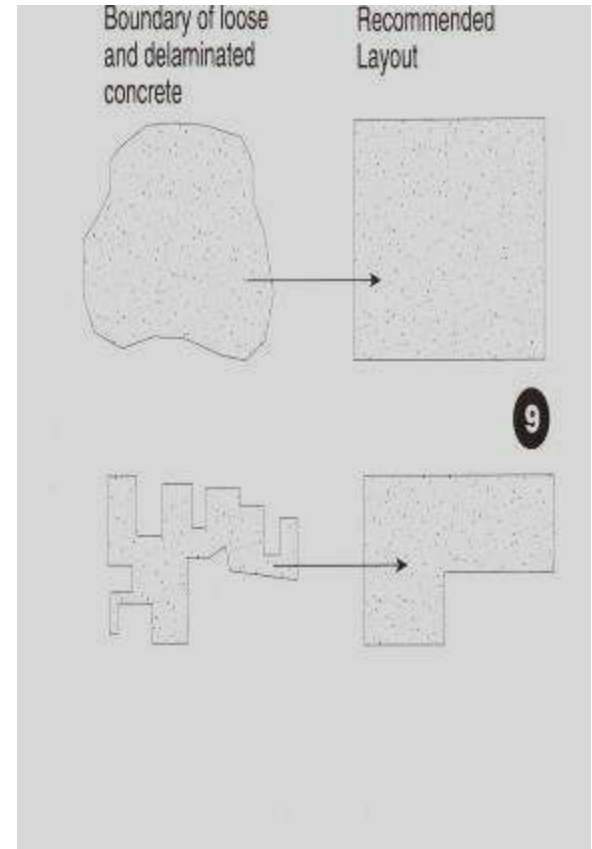
▲ Cementitious Substrates:

- Surface should be cleaned and roughened to create a profile.



Surface Preparation

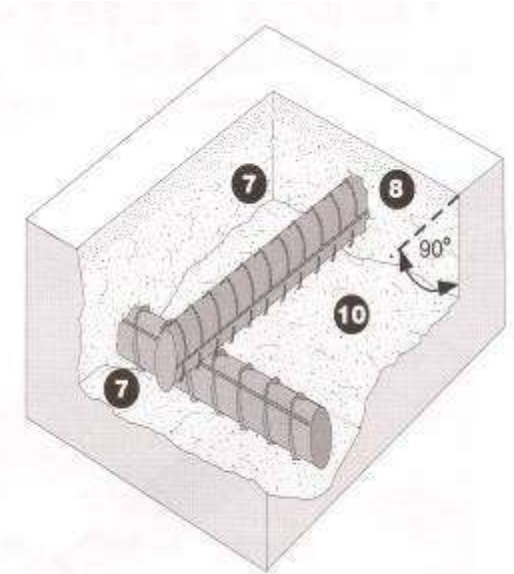
- ▲ Saw cut around perimeter of repair area to achieve a minimum 3/8" shoulder.
- ▲ Eliminates feathered edges giving a clean repair transition



Surface Preparation

▲ Steel:

- Remove all corrosion and contaminants from exposed steel.
- Surface should be cleaned thoroughly by blast cleaning or mechanical means.
- Exposed steel should be cleaned to white steel.
- If half of the diameter is exposed, chip behind bar $\frac{1}{2}$ " minimum for mortar only.



Steel Preparation

- ▲ Steel should be cleaned to a bright metal finish.



Tools Required

- ▲ 1/2" Drill Motor.
- ▲ Low speed drill 400-600 rpm.
- ▲ Large mixing paddle
- ▲ Margin trowel



Mixing

- ▲ Pour approximately 7/8 “A” Component into clean pail.
- ▲ Leave approximately 1” of “A” Component in jug.



Mixing

- ▲ Add “B” Component to pail with “A” already inside, while mixing continuously.



Mixing

1. Dispersion $\frac{3}{4}$ -1 gallon of dispersion/Bag.
2. Start with adding liquid to the mixing container.
3. Slowly add powder.
4. Once all the powder is added mix for **3 minutes**.
5. Do not add any more than the recommended liquid.



Mixing

1. While mixing for 3 minutes stop to scrape after 1.5 minutes down the sides to insure all material is fully mixed.
2. Add additional "A" Comp. liquid for desired consistency.
3. Most cases you will have liquid left.
4. Thorough mixing and proper proportioning is necessary.



ST 122 PLUS Application

- ▲ Apply the mortar to the patch area while the Armatec 110 EpoCem is still wet.
- ▲ If Armatec is not used as a bonding agent, SSD the surface and scrub coat the repair mortar into the substrate filling all pores and voids.



ST 122 PLUS Application

- ▲ Apply SikaTop repair mortar to patch.
- ▲ Press mortar behind rebar and make sure the material is consolidated and compacted fully.



ST 122 PLUS Application

- ▲ Complete filling patch area.
- ▲ Work mortar from the center of the patch to the outside.



Sika Corporation

Min / Max application thickness

▲ Neat

- Min 1/8 inch
- Max 1.0 inch

▲ Extended

- Min 1.0 inch
- Max 4.0 inch



SikaTop 122 PLUS Finish

- ▲ After filling patch section, allow mortar to set to desired stiffness.
- ▲ Then finish with steel, wood, or sponge float to attain a smooth surface, or broom or burlap-drag for a rough finish.



Sikatop 122 PLUS Finish

- ▲ To assist in the finishing of the SikaTop use SikaFilm.
 - SikaFilm is a finishing aid that also retards moisture evaporation.



SikaTop 122 PLUS Finish

- ▲ You can use a steel trowel to attain a smooth surface.



Sponge Float Finish

- ▲ You can use Sponge float to attain a textured surface.



SikaTop Curing

- ▲ Cure as per ACI recommendations. Curing is required.
- ▲ Moist cure with wet burlap and polyethylene, a fine mist of water or water based curing compound.
- ▲ Moist curing should commence immediately after finishing.
- ▲ Protect newly applied material from direct sun light, wind, rain and frost.



SikaTop 122 Plus

Sika Product Data Sheets can be obtained via:

www.sikaconstruction.com

Refer to data sheets for specific information on each Sika product.

