

Construction

SikaQuick 1000

Application Instructions



Sika Corporation

SikaQuick 1000

Rapid Hardening Repair Mortar
with Extended Working Time.

Sika Quick is a 1-component ,rapid hardening, early strength gaining cementitious based material for patching concrete.



SikaQuick 1000

- ▲ **Where to use:**
- ▲ Use on grade, above and below grade on concrete.
- ▲ Highway overlays and repairs.
- ▲ Structural Repair material for concrete roadways, parking structures, bridges, dams and ramps.
- ▲ Full depth patching.
- ▲ Economical patching material for horizontal repairs of concrete and mortars.



SikaQuick 1000

Coverage:

▲ **SikaQuick 1000 Mortar**

Approximately 0.43 cu.ft

▲ **SikaQuick 1000 Concrete**

When extended with 25 lbs. of 3/8 in gravel approximate yield = 0.6 cu.ft



SikaQuick 1000

▲ Packaging:

50 lb – Multi wall Bag
40 Bags/Pallet



Surface Preparation

Cementitious Substrates:

1. Should be clean and sound.
2. Remove contaminations and bond inhibiting materials from repaired area.
3. Obtain exposed/fractured aggregate surface ~1/8 to 1/4 inch profile (ICRI CSP 6 & above).
4. Substrate must be saturated surface dry (SSD) with no standing water.



Surface Preparation

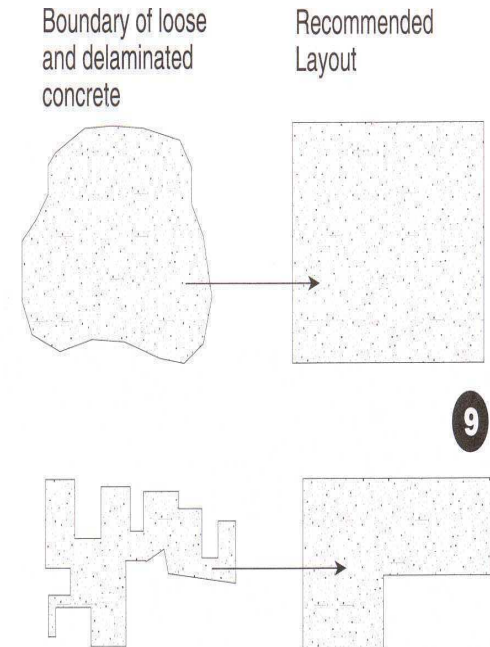
▲ Cementitious Substrates:

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



Surface Preparation

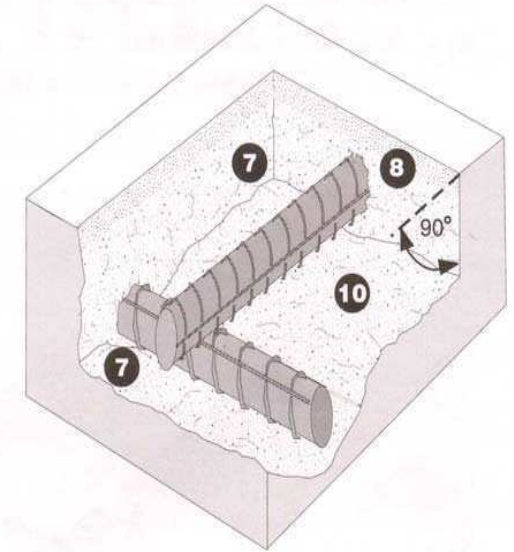
- ▲ Saw cut around perimeter or repair area to achieve a minimum 1/8" shoulder.
- ▲ This will eliminate feather edging the product and give a clean transition for the repair.



Surface Preparation

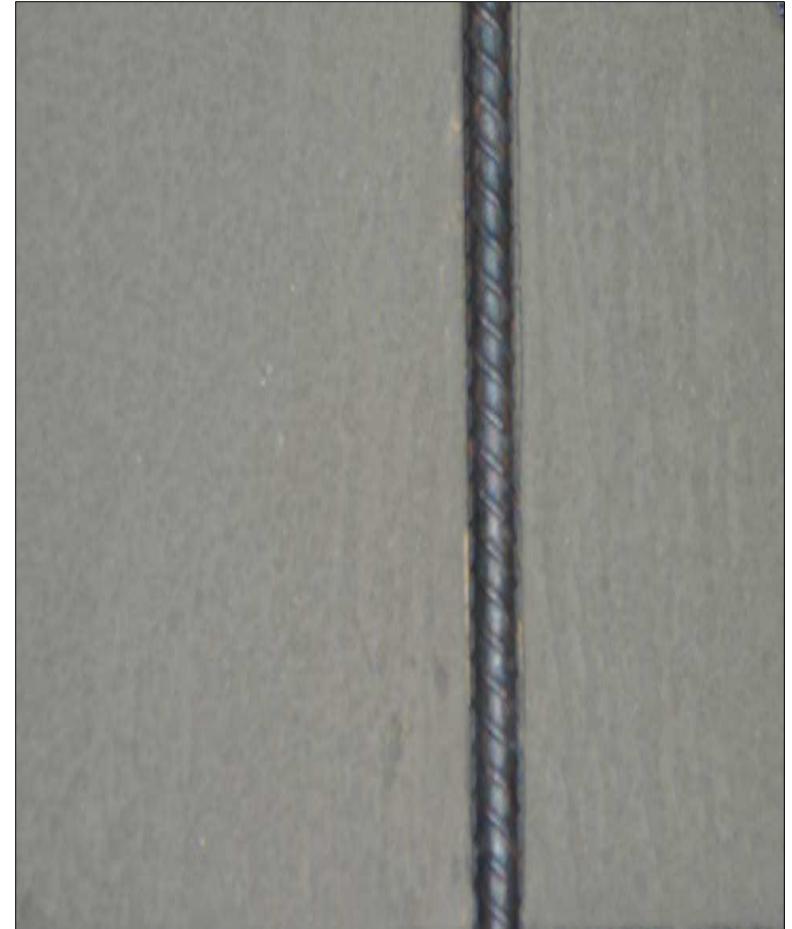
▲ Steel:

- 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, 1/2" minimum for mortar only.



Steel Preparation

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



Tools Required

- ▲ ½” Drill Motor
- ▲ Low speed drill
400-600 rpm
- ▲ Mortar mixer or
Jiffy mixer
- ▲ Margin trowel
- ▲ Steel/Mag Trowel
- ▲ Spatula



Surface Preparation

- ▲ Saw cut around perimeter or repair area to achieve a minimum 3/8" shoulder. This will eliminate feather edging the product and give a clean transition for the repair.



Surface Preparation

- ▲ **Steel:**
 1. Remove all corrosion and contaminants from exposed steel.
 2. Surface should be cleaned thoroughly by blast cleaning or mechanical means.
 3. Exposed steel should be cleaned to white steel.
 4. If half of the diameter is exposed, chip behind bar, ½” minimum for mortar only.



Mixing

Mixing Equipments

- I. Mortar Mixer
- II. Drill and Paddle.

Wet down tools and equipments before proceeding to mix.



Mixing- SikaQuick Mortar

1. Water – 4.5-5 Pts/Bag
2. Latex-R- 4.5-5 Pts/Bag.
3. Start with adding liquid to the mixing container.
4. Slowly add powder.
5. Once all the powder is added mix for **3 minutes**.
6. Do not add any more than 5 pts of liquid. water.



Mixing- SikaQuick Concrete

1. Water – 4.5-5 Pts/Bag
2. Latex-R- 4.5-5 Pts/Bag.
3. Stone - 3/8 gravel 25#/bag.
4. Stone – Weigh Before SSD.
5. Start with adding liquid to the mixing container.
6. Slowly add powder.
7. Once all the powder is added and mixed add stone.
8. Mix time **3 minutes** after everything is added.
9. Do not add any more than 5 pts of liquid. water.



Aggregate Selection & SSD



- ▲ Consult Technical Data Sheets for detailed recommendations on aggregate selection.

Min / Max application thickness

▲ Neat

- Min 1/4 inch
- Max 1 inch

▲ Extended

- Min 1 inch
- Max 6 inches



Scrub/Slurry Coat



Placement



Placement



Finishing



SikaTop Curing

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



Curing



SikaQuick 1000

Sika Technical Data Sheets can be obtained via:

www.sikaconstruction.com

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

