SikaQuick 2500

Application
Instructions

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SikaQuick 2500

Very Rapid Hardening Repair Mortar

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

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SikaQuick 2500

Where to use:
- Use on grade, above and below grade on concrete.
- Highway overlays and repairs. Quick Turnaround Time.
- 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.

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SikaQuick 25000

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 25000

▲ 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, \( \frac{1}{2} \)” minimum for mortar only.
Steel Preparation

▲ Steel should be cleaned to a bright metal finish.

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Tools Required

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

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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.
Mixing

Mixing Equipments

I. Mortar Mixer
II. Drill and Paddle.

Wet down tools and equipments before proceeding to mix.
Mixing- SikaQuick Mortar

1. Water – 5-5.5 Pts/Bag
2. Latex-R- 5-5.5 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 – 5-5.5 Pts/Bag
2. Latex-R - 5-5.5 Pts/Bag.
4. Stone – Weigh Before SSD.
5. Start with adding liquid to the mixing container.
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.

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Aggregate Selection & SSD

Consult Technical Data Sheets for detailed recommendations on aggregate selection.

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Min / Max application thickness

▲ Neat
  • Min  1/4 inch
  • Max  1 inch

▲ Extended
  • Min  1 inch
  • Max  6 inches
Scrub/Slurry Coat

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Placement
Finishing

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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.

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Curing
SikaQuick 2500

Sika Technical Data Sheets can be obtained via:

www.sikaconstruction.com

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