Sikadur 22, Lo-Mod

Application
Instructions

Sika Corporation
Sikadur 22, Lo-Mod

- Epoxy resin binder
- Two-component
- 100% solids
- Moisture-tolerant
- Low-modulus
- Medium-viscosity
Where to use:

- Use neat as the binder resin for a skid-resistant, epoxy broadcast overlay.
- As an epoxy mortar by mixing resin with oven-dried aggregate for concrete patching and overlay applications.
Sikadur 22, Lo-Mod

▲ Packaging:
- 4 gallon units
- 110 gallon units (drums)
- 660 gallon units (totes)

▲ Coverage:
- 1 gallon yields 231 cubic inches
- 1 gallon (A + B) mixed with 5 gallons by loose volume of oven-dried aggregate yields approximately 808 cubic inches
Surface Preparation

- Surface must be clean and sound.
- Surface can be either dry (ideal) or damp, but free of standing water.
- Remove dust, laitance, grease, curing compounds, impregnations, waxes, and any other contaminants before application.
Surface Preparation

▲ Concrete:

- Surface should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means (ICRI CSP-4 or greater).
- Follow typical concrete repair mortar guidelines for surface preparation (SSD not required), for epoxy mortar applications.
Steel Preparation

▲ Steel

- Steel should be cleaned and prepared thoroughly by blast cleaning to white metal finish.
Tools Required (typical for 4 gallon mix)

- ½” drill motor
- Low speed drill (400-600 rpm)
- Jiffy mixing paddle
- Spatula
- Notched Squeegee
Mixing

▲ Pre-mix both A & B components

▲ Proportion equal parts by volume of Component A and B into clean pail

▲ Mix thoroughly for 3 min. with Sika paddle on low-speed (400-600 rpm) drill until uniformly blended

▲ Mix only that quantity that can be used within pot life
Application

Broadcast Overlay

1. Prime prepared substrate with Sikadur 22, Lo-Mod (or optional Sikadur 21, Lo-Mod LV)
2. While primer is tacky, spread the mixed Sikadur 22, Lo-Mod with a 3/16 in. notched squeegee
3. When material levels, broadcast the oven-dried aggregate slowly, allowing it to settle in the binder
Application

Broadcast Overlay

4. Remove excess broadcast aggregate after epoxy has set
   • Ultimately the broadcast aggregate should be applied to excess at a rate of 2 lbs./sq. ft.
Mixing

Epoxy Mortar

- Slowly add 3-6 parts by loose volume of an oven-dried silica sand to 1 part of mixed Sikadur 22, Lo-Mod and mix until uniform in consistency.
**Epoxy Mortar**

1. Prime prepared substrate with mixed, neat Sikadur 22 Lo-Mod resin
2. While primer is still tacky, apply mixed epoxy mortar by trowel or vibrating screed
Precautions

▲ Always read the current product data sheet, material safety data sheet and label prior to use.
▲ Avoid skin and eye contact
▲ Wear
  • chemical resistant gloves
  • goggles
▲ Ventilate area
▲ Dispose of in accordance with local, state and federal regulations
▲ Uncured material can be removed with approved solvent (e.g. xylene, acetone or MEK)
▲ Follow manufacturer’s warnings and instructions for use
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Sika Product Data Sheets can be obtained via:

http://usa.sika.com

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

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