Sika Armatec® 110 EpoCem®

Bonding Agent and Reinforcement Protection

Description

A three-component, solvent-free, moisture-tolerant, epoxy-modified, cementitious product specifically formulated as a bonding agent and an anti-corrosion coating.

Where to Use

- As an anti-corrosion coating for reinforcing steel in concrete restoration.
- As added protection to reinforcing steel in areas of thin concrete cover.
- As a bonding agent for repairs to concrete and steel.
- As a bonding agent for placing fresh, plastic concrete to existing hardened concrete.

Advantages

- Excellent adhesion to concrete and steel.
- Acts as an effective barrier against penetration of water and chlorides.
- Long open time – up to 16 hours.
- Not a vapor barrier.
- Can be used exterior on-grade.
- Contains corrosion inhibitors.
- Excellent bonding bridge for cement or epoxy based repair mortars.
- High strength, unaffected by moisture when cured.
- Spray, brush or roller application.
- Non-flammable, solvent free.

SikaTop® 122 *PLUS*

Two-component, polymer-modified, cementitious, trowel-grade mortar plus FerroGard 901 penetrating corrosion inhibitor

Description

SikaTop 122 PLUS is a two-component, polymer-modified, Portland cement, fast-setting, trowel-grade mortar. It is a high performance repair mortar for horizontal and vertical surfaces and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

Where to Use

- On grade, above and below grade, on concrete and mortar.
- On horizontal surfaces.
- As a structural repair material for parking structures, industrial plants, walkways, bridges, tunnels, dams, ramps.
- To level concrete surfaces.
- As an overlay system for topping/resurfacing concrete.
- Overlay in cathodic protection systems.

Advantages

- High compressive and flexural strengths.
- Opens to foot traffic in 4-6 hrs., pneumatic tire in 8-12 hrs.
- High abrasion resistance.
- Increased freeze/thaw durability, resistance to deicing salts.
- Compatible with coefficient of thermal expansion of concrete – Passes ASTM C-884 (modified).
- Increased density – improved carbon dioxide resistance (carbonation) without adversely affecting water vapor transmission (not a vapor barrier).
- Enhanced with FerroGard 901, a penetrating corrosion inhibitor, reduces corrosion even in the adjacent concrete.
- Not flammable, non-toxic.
- Conforms to ECA/USPHS standards for surface contact with potable water.
- USDA approved for food industry.
- ANSI/NSF Standard 61 potable water approved.

SikaTop® 123 *PLUS*

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

Description

A two-component, polymer-modified, Portland cement, fast-setting, non-sag mortar. It is a high performance repair mortar for vertical and overhead surfaces, and offers the additional benefit of FerroGard 901, 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 / Not flammable, non-toxic.
- Increased freeze/thaw durability and resistance to deicing salts.
- Compatible with coefficient of thermal expansion of concrete - Passes ASTM C-884 (modified).
- Increased density - improved carbon dioxide resistance (carbonation) without adversely affecting water vapor transmission (not a vapor barrier).
- Enhanced with FerroGard 901, a penetrating corrosion inhibitor, reduces corrosion even in the adjacent concrete.
- Conforms to ECA/USPHS standards for surface contact with potable water / USDA approved.
- ANSI/NSF Standard 61 potable water approved.

SikaGrout® 212

High performance, cementitious grout

Description

SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. With a special blend of shrinkage-reducing and plasticizing/water-reducing agents, it compensates for shrinkage in both the plastic and hardened states. A structural grout, it provides the advantage of multiple fluidity with a single component. It meets Corps of Engineers' Specification CRD C-621 and ASTM C-1107 (Grade C).

Where to Use

- Use for structural grouting of column base plates, machine base plates, anchor rods, bearing plates, etc.
- Use on grade, above and below grade, indoors and out.
- Multiple fluidity allows ease of placement; ram in place as a dry pack, trowel-apply as a medium flow, pour or pump as high flow.

Advantages

- Easy to use ... Just add water.
- Multiple fluidity with one material.
- Non-metallic, will not stain or rust.
- Low bleed / Low heat build-up.
- Excellent for pumping: Does not segregate ... even at high flow. No build-up on equipment hopper.
- Non-corrosive, does not contain chlorides.
- Superior freeze/thaw resistance.
- Resistant to oil and water.
- Meets CRD C-621 / Meets ASTM C-1107 (Grade C).
- Shows positive expansion when tested in accordance with ASTM C-827 / USDA-approved.