



# Relay<sup>®</sup> resurfacer

- ▶ **FAST DRYING**
- ▶ **20 YEAR TRACK RECORD**

- ▶ **5 YEAR BOND WARRANTY**
- ▶ **TAKES TRAFFIC IN AS LITTLE AS 1 HOUR**

**RELAY™** mixture is a thin-bond resurfacer that is easy to use, dries quickly and can take traffic in as little as an hour. **RELAY™** mixture forms a cementitious wearing surface that is strong, durable, abrasion resistant and waterproof. Relay can make old, cracked, spalled, damaged, concrete look new again. **RELAY™** will withstand all kinds of weather conditions including freeze-thaw.

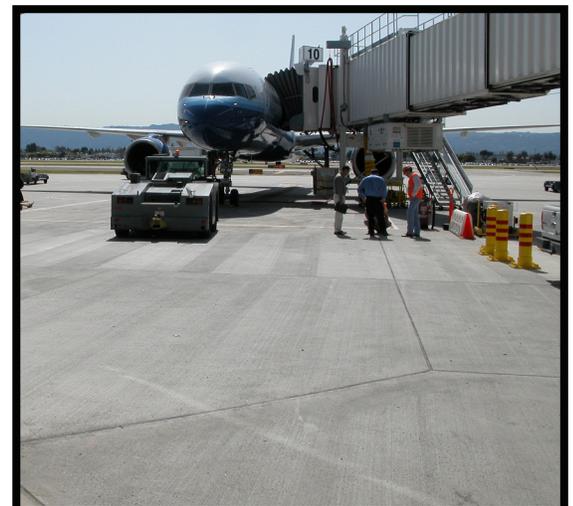
**RELAY™** mixture requires no primers, minimum preparation, will adhere to virtually all types of substrates. Relay will feather to a “zero edge” without losing strength, flexibility or adhesion. **RELAY™** can be applied as thick or as thin as required.

### RESURFACES:

- ▶ Decks
- ▶ Walls
- ▶ Floors
- ▶ Sidewalks
- ▶ Pavements

### APPLY OVER:

- ▶ Concrete
- ▶ Asphalt
- ▶ Coatings
- ▶ Adhesives
- ▶ Sealers
- ▶ Ect.



# Relay<sup>®</sup> resurfacer

## APPLICATION

**Surface Preparation.** RELAY™ mixture will stick to virtually everything, but its ultimate bond-strength can only be as strong as the bond and the strength of the materials it is applied over. Surface should be clean, dry, and free of loose debris.

Materials that are soft, flaky, dusty or chalky, or that have low internal strength, should be removed. Glossy surfaces should be roughened by sanding or grinding.

**Mixing.** RELAY™ Polymer is ready to use and can be mixed with premixed powder to produce either a smooth, semi-smooth or overlay/patch material.

**Resurfacing.** Spreading of the RELAY™ mixture on horizontal surfaces is easily accomplished with squeegees or troweling. Troweling is recommended for small areas, vertical and overhead surfaces.

## TEST RECAP

*Results at 72°F and 50% Relative Humidity*

*Color: Concrete Gray*

*Mixing Ratio: 3 quarts per 60lb bag*

*Working Time: Approximately 30 minutes to initial set*

*Compression Strength (ASTM C-109 Mortar)*

3 hours: 4500 psi (31 MPa)

24 hours: 6667 psi (45 MPa)

7 day: 7723 psi (53 MPa)

28 day: 8300 psi (57 MPa)

*Flexural Strength (ASTM C-78)*

3 hour: 930 psi (6.4 MPa)

24 hour: 994 psi (6.8 MPa)

7 day: 1319 psi (9.1 MPa)

28 day: 1800 psi (12.4 MPa)

*Bond Strength (ASTM C-1583/ACI 503.1R)*

3 hour > 300 psi (2 MPa)

28 day > 500 psi (3.4 MPa)

*ASTM B-117-11 – Salt-spray (fog)*

250 hours and 500 hours: no rust or blistering

*Slant Shear (ASTM C-882)*

3 hour: 3012 psi (20.7 MPa)

28 day: 6194 psi (42.7 MPa)

*Abrasion Resistance (ASTM C-944)*

Depth of wear < 0.020 inches (0.05 cm)

*Skid Resistance (ASTM E-274)*

Greater than 45 SN

*Chloride Permeability (ASTM C-1202)*

Charge passed < 180 coulombs

*Freeze Thaw Resistance (ASTM C-666)*

0% loss after 50 cycles

## LIMITATIONS

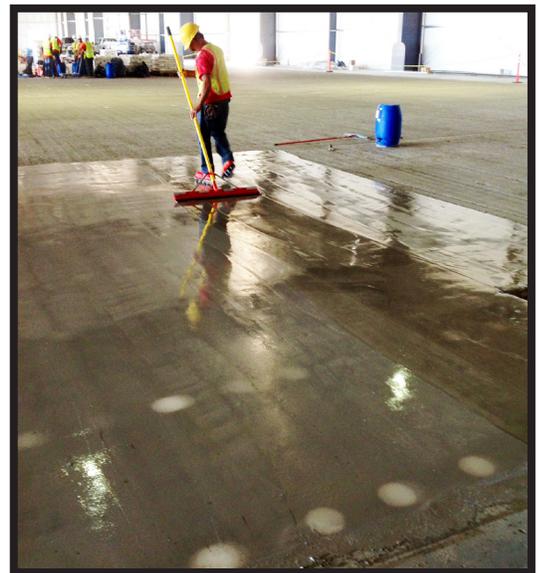
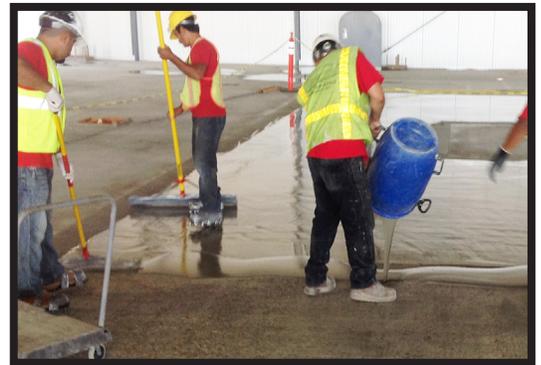
RELAY™ Mixture will not properly adhere to standing oil or grease, visibly wet or damp surfaces or silicone.

## POST APPLICATION PROTECTION

RELAY™ treated surfaces can be protected from staining using a water based sealer such as Matte 20, HS30, or HS40.

## WARRANTY

SINAK Corporation warrants its products to be of the highest quality. Since application of the product is a crucial factor in obtaining satisfactory results, and is beyond the control of SINAK Corporation, refund of purchase price or replacement of product shall constitute the limit of SINAK Corporation's liability. SINAK Corporation makes no other warranties, expressed or implied, with respect to the products or any service and disclaims all other warranties, including any warranty of merchantability and fitness for a particular purpose. This limited warranty may not be modified by representatives of SINAK Corporation, its distributors or dealers. A limited 5-year bond warranty is available. Contact SINAK Corporation for details.



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Manufactured By:

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