RELAY™

RESURFACES:

- Decks
- Walls
- Floors
- Sidewalks
- Pavements
- Overheads

APPLY OVER:

- Concrete
- Wood
- Metal
- Terrazzo
- Asphalt
- Gypsum
- Coatings
- Adhesives

PRODUCT DESCRIPTION

RELAY™ is a polymer formulated to be mixed with water, cement and sand for resurfacing a wide variety of surfaces. **RELAY™** mixture becomes a highly mobile, thin-bond resurfacer that is easily workable, with controlled sag and flow characteristics.

RELAY™ mixture is a primerless system that will adhere to virtually all types of substrates to produce a new, waterproof, bondable surface compatible with all types of coatings and adhesives. It will feather to a "zero edge" without losing strength, flexibility or adhesion. A normal 2-coat application is approximately 18 mils thick.

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.

RELAY™ mixture forms a wearing surface that is strong, durable and abrasion resistant. The new surface will withstand all kinds of weather conditions including freeze-thaw.

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™** is mixed with any of the portland cements and sand. Other cements may be used for quicker drying, higher chemical and heat resistance, and drying in low temperatures. 90-grit sand is recommended for normal resurfacing projects. Smaller grits may be used for smoother surfaces. Larger grits will further increase skid resistance and surface texture.

Overlaying. Spreading of the **RELAY™** mixture on horizontal surfaces is easily accomplished with squeegees, although it readily lends itself to troweling. Troweling is recommended for tight spots, vertical and overhead surfaces.

Patching & Deep Fills. Deep cracks, non-moving joints, pits and potholes can be repaired during surface prep with **RELAY™** mixture. A thicker mixture works best; simply add equal parts of cement and sand. ***Note****: Moving (structural) cracks and joints should never be filled with rigid or semi-rigid materials.*

Resurfacing over epoxy... Pour

... and Spread

Midget Car Raceway - over asphalt

TEST RECAP

Bond Strength (ASTM D 4541)

With common portland cements
Range: 414-466 psi
Average: 434 psi

Compression Strength (ASTM C 579)

7-day cure: 6,225 psi
28-day cure: 6,622 psi

Abrasion Resistance (ASTM C501)

1,000 cycles, H-22 Calibrate wheels--Average depth of wear:
24 mils (roughly equivalent to 5,000 psi concrete).

Weathering (ASTM G 43 -- modified to include freeze cycle)

After 31 cycles (5,208 hours), no sign of peeling, chalking, blistering, loss of adhesion, fading or algae growth.

Smoke and Toxic Fume Emission (British Standard 6853)

Accepted (negligible emission).

Skid Resistance

(British Pendulum Test)
Dry: 65, Wet: 58

LIMITATIONS

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

POST APPLICATION PROTECTION

If the **RELAY™** application is not to be overlayed with a floor covering, a water-based coating of recommended to protect against staining.

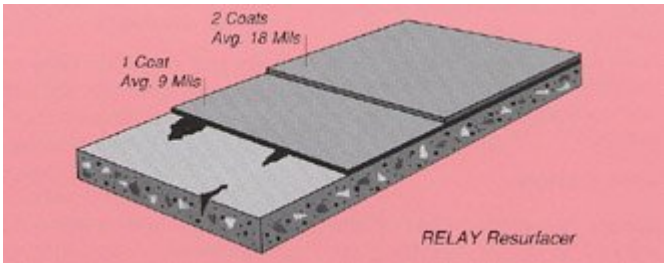
WARRANTY

A limited 5-year bonding warranty is available when **RELAY™** mixture is applied by certified applicators.

Before

Patching and Filling

Squeegeeing



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