

STRIPE KIT SYSTEM

SYSTEM TECHNICAL DATA SHEET



SKU: 650-____-01



THE RESINWERKS STRIPE KIT IS A COMPLETE SAFETY STRIPE AND TRAFFIC MARKING SYSTEM THAT WAS DESIGNED FOR HEAVY COMMERCIAL & INDUSTRIAL APPLICATIONS. It combines highly refined pigmented stripe coatings with a unique “Lockdown” clear application to ensure excellent color hide while eliminating bleed-under. These systems are designed to dry quickly, providing rapid return to service, even in cooler environmental conditions.

USES:

- › Pigmented line stripes
- › Traffic markings & Logos
- › Industrial Manufacturing
- › Commercial Garages
- › Warehouses

ADVANTAGES:

- › Single-Coat Color Hide
- › No Bleed Under
- › Fast Return to service
- › Low VOC & Minimal Odor
- › Excellent Durability

PACKAGING & MIX RATIO:

Pigmented Stripe: 1.46-gal kit

- › .75-Gal (96oz) Part A and Two .25-gal (32oz) Part B units
- › Mix 3-parts A to 2-parts B by volume (1.5 to 1)

Clear “Lock-Down”: 1.0 gal kit

- › Two .25-gal Part A units & Two .25-gal Part B units
- › Mix 1-part A with 1-part B by volume

SUGGESTED APPLICATION:

Suitable Substrate(s):

- › Concrete, properly profiled
- › Other resinous flooring, properly abraded and cleaned

ANCILLARY PRODUCTS:

Stripe Kits may be used in conjunction with any Resinwerks products

MATERIAL COVERAGE		
LINE WIDTH	CLEAR LOCKDOWN & TOPCOAT	PIGMENTED STRIPE MATERIAL
4 Inches	600 ln ft/gal. kit	600 ln ft/gal. kit
6 Inches	400 ln ft/gal. kit	400 ln ft/gal. kit
Square Feet	200 sq ft/gal. kit	200 sq ft/gal. kit

- › Pigmented stripe kit and clear lock-down materials are designed to be used in conjunction with one another as a system. Please consult application instructions for further detail.

GENERAL PRODUCT INFORMATION

- Colors:** Safety Yellow (red shade), Safety Yellow (green shade), Safety Red, Traffic Red, Traffic Blue, Traffic Green
- Solids Volume:** Clear: 71%, Pigmented: 83%
- V.O.C.:** Clear: 88 g/l; Pigmented: 112.7 g/l
- Pot-life:** 15 Minutes @ 70° F
- Reducer:** Not recommended
- Application Temp:** 40°F(4.4°C) - 90°F(32.2°C)
- Environment:** For Interior or exterior
- Shelf Life:** 24-months factory sealed

CURE SCHEDULES: 70°F & 50% relative humidity

SYSTEM STEP	RE-COAT	FOOT TRAFFIC	HEAVY TRAFFIC
Lockdown Clear	30-60 min		
Pigmented Stripe	30-60 min	90 min	4 hrs.
Clear Topcoat	30-60 min	90 min	4 hrs.

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Compressive Strength	ASTMC 695	10,000 PSI
Impact Resistance	ASTMD 2794	> 160
Abrasion Resistance	ASTMD 4060	30 mg loss
Adhesion/Pull-Off	ASTMD-4541	+500 PSI
Elongation / Tensile Strength	ASTM D638	2500 psi
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Hardness/Shore D	ASTMD 2240	85

SYSTEM DATA SHEET

SURFACE PREPARATION

CONCRETE: Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical Shot Blasting or grinding is recommended to achieve a surface profile of ICRI CSP 2-3.

EXISTING COATINGS: Stripe materials should not be applied over acrylic based or MMA coatings. For existing coatings, sand the area to be coated with a 30-grit sandpaper to remove any contaminants and create a suitable anchor profile. Once sanded, vacuum up all dust and wipe with a solvent such as acetone, xylene or MEK. DO NOT use denatured alcohols in lieu of solvent to clean the floor.

MOISTURE IN CONCRETE: Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. For slabs exhibiting elevated moisture levels in excess of 75% RH, Resinwerks™ Vapor Barrier Epoxy should be substituted as a primer. For more information, please contact your Resinwerks technical representative.

DE-GREASING OF CONTAMINATED SUBSTRATES: For concrete substrates containing oil, animal fats, or other carbon based contaminants, slabs should be degreased appropriately using an enzymatic based concrete degreasing agent.

MIXING INSTRUCTIONS

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 40°F(4.4°C) - 90°F(32.2°C). Thoroughly agitate both part A and Part B separately prior to mixing.
- » **LOCKDOWN CLEAR:** Mix 1-part A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.
- » **PIGMENTED STRIPE COATING :** Mix 3-parts A to 2-Parts B by volume for two minutes using a slow speed jiffy mixer.

APPLICATION INSTRUCTIONS

LOCKDOWN CLEAR: Following mixing, use a small chip brush or weenie roller to apply clear material down the inside edges of the tape or stencil where the line is to be installed. Overlap by approximately 1/2" to 1" on both sides of the seam.

PIGMENTED STRIPE APPLICATION: Once the clear Lockdown has dried, mix the appropriate amount of pigmented stripe coating and apply using a small 4" weenie roller or equivalent at a thickness of approximately 8 mils WFT. Lightly back-roll to ensure even coverage. Do not over-roll as this may lead to imperfections

in the final finish.

CLEAR STRIPE TOPCOAT SEALER: Apply clear top-coat sealer at a rate of 3 mils WFT with a small 4" weenie roller.

LIMITATIONS

- » Do not apply over concrete experiencing ASR
- » Do not apply over Acrylics or MMA Coatings
- » Do not apply over existing coatings / sealers that have not been properly abraded and cleaned.
- » Do not apply to new slabs < 28-days old
- » Do not apply over areas wiped with denatured alcohols
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply product when ambient or room temperature is below 40°F (4.4°C) or over 90°F(32.2°C) or if the relative ambient humidity is above 85%.
- » This product is not recommended for immersion service.
- » **DEW POINT:** Do not apply when dew point is within 5°F of the ambient temperature.

MAINTENANCE

The long-term performance, appearance, and life expectancy of wear surface products are dependent on an adequate routine maintenance program designed specifically for the installed wear surface. Resinous floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. Recommended maintenance programs consist of frequent and thorough cleaning utilizing a neutral PH cleaner. The frequency of washing will vary depending on floor usage type, traffic and age. Please contact your local Resinwerks technical representative for more information.

NOTES

Thoroughly read all Material Safety Data Sheets prior to use and maintain copies on job-site at all times.

Mock-ups and field test areas are strongly recommended in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of Epoxy products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

TECHNICAL ASSISTANCE

PHONE: 720-484-5160