



Product Data Sheet

SealSource International:

SS LineStripe

Nano Lithium Line Striping

USGBC, LEED, EQ Credit 4: Low – emitting VOC Compliant Materials

Product Description-

SS LineStripe is a hybrid Nano Lithium traffic marking & safety paint. This water-based lithium-silicate formulation is designed for use as traffic, lane and warehouse marker paint for concrete, asphalt and masonry. SS LineStripe is low in VOC's (less than 50 grams per liter), making it very environmentally friendly and has a very low polymer/ ammonia odor. SS LineStripe dries to a very hard, colored semi-gloss / matte finish depending on surface porosity and the amount of product applied. This rapid curing, non-yellowing treatment provides long-lasting surface protection and easy maintenance.

Uses-

SS LineStripe can be used for marking interior and exterior curbing and lanes on driveways, sidewalks, factory floors, parking lots and airport runways

Physical Properties-

Viscous liquid, various colors

Shelf Life 6 months in factory sealed container

Total Solids 33-37%

Active Ingredients 100% of total solids

Specific Gravity 1.15 - 1.17

pH 11.2 - 12.2

Flash Point N/A

VOC Content 50<gms/L

Freeze Point 32° F (0°)

Abrasion resistance excellent

Depth of surface penetration 2 -8 mm (non-pigment chemistry)

Advantages-

- Fast Curing – Minimizes facility downtime. Can handle traffic in hours not days.
- Safe – No noxious fumes, odors or vapors, also non-flammable.
- High Performance – Passes ASTM D- 870 for blistering, adhesion, and discoloration. Passes ASTM D-2795 for gasoline and motor oil resistance. Excellent abrasion resistance ASTM D-4060
- Environmentally Friendly – Solvent free with very low VOC's

Packaging-

- 5 Gallon Pails

Mixing-

SS LineStripe is a single component product. Prior to use mechanically stir product

Safety-

- Read Material Safety Data Sheet before using
- Keep out of reach of children
- Protect from freezing
- Wear safety glasses and rubber gloves
- Do not apply to soft metals
- Do not apply to glass

Application Recommendations-

SS LineStripe should be applied by sprayer or roller. Apply at approximately 400-550 sq. ft. per gallon on steel troweled and 250-350 sq. ft per gallon on broom finish. Coverage rate will vary depending on surface porosity.

* Certified Applicator is required for all national accounts

Preparation and Installation-

Concrete must be clean, structurally sound and free of wax, dirt, coatings and paint, curing compounds, and pet-rochemicals. Random cracks, damaged control joints, and new construction joints should be properly prepared. Concrete laitance should be removed. Air-blast or vacuum concrete dust prior to installing SS LineStripe. Shelf Life- 6 months, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Warranty-

SealSource International will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

Technical Services, Sales and Customer Support (800) 305-9144

Performance Standards

SS LineStripe™

TECHNICAL & TEST DATA INFORMATION

Specific Gravity	1.67
Total Solids (wt%)	65.00
Total Solids (vol%)	48.18
Pigment (%)	46.66
Viscosity (CPS at 75°F)	413
Viscosity after formulation (CPS at 75°F).....	415
Tack Time (71°F) ASTM Method D- 711:	
No-pick-up time at 15 mil thickness (wet)	1.47
No-pick-up time at 25 mil thickness (wet)	5.11
Drying Time (mins) ASTM Method D-1640	7.10

TEST DATA

Water Resistance ASTM Method D-870

Blistering	Pass
Loss of Adhesion	Pass
Discoloration	Pass

Solvent Resistance ASTM Method D-2795

Gasoline Resistance	Pass
Motor Oil Resistance	Pass

Pull-off Adhesion ASTM Method D-3559

Concrete, Thickness (wet) 15	850
.....	635

Abrasion Resistance ASTM Method D-4060:

(thickness (wet) 15 mil; curing 24 hours, air dry, load 1000 g; and cycles 1000)

Without beads: weight loss (mg)	80
Without Beads: wear Index	80
With Beads: weight Loss	119
With Beads: wear Index	119
Opacity (15 mil wet)	10
Flexibility ASTM Method D-522	
Fineness of Grind	5-6

*The SS LineStripe formulation may change without notice. Actual percentages may vary between colors.