



DESCRIPTION

SILSPEC® FlexGrit Color Pavement Coating System provides a high-performance system for demarcation of HOV lanes, bicycle lanes, tolls lanes, designated parking areas, and other applications where a durable pavement demarcation is required. Used as an epoxy binder for pavements on Portland Cement concrete, asphalt pavements, and other approved substrates. FlexGrit can be used on bicycle, bus, and toll lanes in combinations with colored aggregates. It can also be used for ADA applications, handicap parking, crosswalks, toll lanes, on/off ramps, comfort zones, shoulders, surface signage, sidewalks, office complexes, parking lots, urban regenerations projects, parking decks, landscape engineering designs, and driveways.

- Made in the USA
- High strength, low modulus epoxy binder
- Long lasting, durable colored aggregates
- Rapid cure return-to-traffic formula
- Low maintenance
- Expert technical support
- Independent testing lab certification
- Convenient 1:1 mix ration, by volume
- Hand or machine applications



PACKAGING & YIELD

- 600 ml Cartridge
- 2 Gallon (7.6 L) Unit
- 10 Gallon (38 L) Unit
- 110 Gallon (416.4 L) Unit
- 500 Gallon (1,893 L) Unit

ESTIMATED COVERAGE

Please contact a technical services representative, as pavement surfaces varies in texture. Coverage rate guidance will be based upon the data provided. Applications rates will vary depending on substrate.

Epoxy Binder:

Pedestrian Traffic: 40 sq. ft./gallon (0.98 m²/L)

Vehicular Traffic: 25 - 30 sq. ft./gallon (0.61 - 0.73 m²/L)

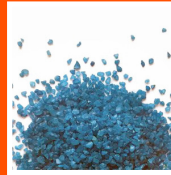
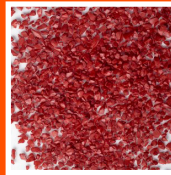
Colored Aggregate Rate: 2 - 2.5 lb./sq. ft. (9.76 - 12.20 kg/sq. m)



SILSPEC® FlexGrit Binder		
Shelf Life		2 years in unopened containers
Storage Conditions		40° F - 95° F (5° C - 35° C)
Conditioning		65° F - 85° F (18° C - 29° C)
Mix Ratio		1:1 by volume
Viscosity		1,500 cP
Gel Time (60g)		18 minutes
Shore D Hardness		70
Tack Free Time (75° F/24° C)		<3 hours
Tensile Strength	ASTM D638	2,800 psi (19.3 MPa)
Tensile Elongation	ASTM D638	40%
Bond Strength	ASTM C882(2 day cure)	2,000 psi (13.8 MPa)
Bond Strength	ASTM C882 (14 day cure)	2,800 psi (19.3 MPa)
Compressive Strength	ASTM C579 (3 hour cure)	1,500 psi (10.3 MPa)
Compressive Strength	ASTM C579 (24 hour cure)	5,000 psi (34.5 MPa)
Bond Strength	ASTM C1583/ACI 503R	300 psi (2.0 MPa)
Flexural Strength	ASTM D790	3,000 psi (20.9 MPa)
Shrinkage	ASTM D2566	0.2%
Thermal Compatibility	ASTM C884	Pass
Heat Deflection Temperature	ASTM D648	120° F (49° C)
Absorption	ASTM D570	0.2% (24 hr)
Chloride Ion Permeability	AASHTO T277	0.0 coulombs

COLOR AGGREGATES

The specialized color aggregates used in FlexGrit are high contrast, UV resistant, and durable. These aggregates are manufactured from recycled glass and colored to match the specific needs of the customer. The system features the standard colors below, but is available in custom colors.



PACKAGING, APPLICATION & COVERAGE

Packaging: 50 lb. bags and 2,000 lb. bulk sacks

- 20/40 Mesh (0.4 - 0.8 mm) Anti-Skid Surfacing
- 12/20 Mesh (0.8 - 1.2 mm) Bicycle Lanes
- 6/12 Mesh (1.2 - 3.0 mm) Bus Lanes

Approximate Spread Rates: Colored Aggregate Rate: 2 - 2.5 lb./sq.ft. (9.76 - 12.20 kg/sq. m)



APPLICATION PROCEDURES

Surface Preparation (General): Surface must be clean and sound. Surface should be visibly dry, with no standing water. Concrete moisture content must be less than 5% when measured using a multi-pin moisture meter. Remove dust, laitance, grease, curing compounds, impregnations, and other contaminants. Concrete surfaces should be shot blasted to a CSP of 3 - 5, per ICRI.

Condition material to 65 - 85° F (18 - 29° C) for optimum application. Minimum age of concrete is 21 - 28 days, depending on mix design. Minimum age of asphalt is 30 days and 75% aggregate exposure. **(Consult an SSI technical service representative for applications outside these parameters.)**

The colored aggregate and polymer resin binder shall be dispensed equally across the entire application surface, in a manner that covers the surface area to be treated, at the mil thickness of 50 - 60 mils without any breaks, swirls, ridge lines, or differential thickness of the polymer resin binder over the area being treated. The colored aggregate shall cover the polymer resin binder at a rate of 2 -2.5 lbs. per square yard.

LIMITATIONS

Minimum substrate and ambient temperature is 50° F (10° C) for all applications. Maximum substrate and ambient temperature is 95° F (35° C) for hand mix or semi-automated installations. Do not thin. Solvents will prevent proper cure. Use oven-dried aggregate. Material is a vapor barrier after cure.

CLEAN UP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state, and federal disposal regulations. Uncured material can be removed with Natural Clean or other approved solvent. Cured material can only be removed mechanically.





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Warranty Limitations: SSI represents to the purchaser of this product from SSI (referred to as customer) that the information in this literature is an accurate description of the typical characteristics, properties, and uses of the product, if transported, stored, and applied in accordance with this literature and the referenced Material Safety Data Sheet. Unless SSI provides, before product installation, an express written warranty after receipt and evaluation of specific written project conditions and applicable scope documentation, SSI's exclusive warranty is that the product will conform to the sales representations stated, herein, and the current Material Safety Data Sheet. SSI expressly disclaims all other express or implied warranties, including without limitation warranties of merchantability and fitness for particular purpose. In no event shall SSI's liability for damages arising from the sale of this product the amount of purchase price received by SSI from customer for this product delivered to the project in question, or at SSI's sole option, SSI may replace the product or portion thereof that does not conform to the foregoing representation. SSI expressly excludes any liability for special or consequential damages.

Customer is solely responsible for evaluating job conditions and the suitability of described physical properties and characteristics of the product to meet specified or apparent project requirements and for application of the product in accordance with SSI's recommendations.

These representations are intended for reliance exclusively by the customer and are not intended to benefit any other person or entity. These exclusions, modifications, or limitations of warranties, including their effect on rights and remedies, that are effective against are also effective against subsequent purchasers, users, and third party beneficiaries of the sale of this product.

SSI undertakes no responsibility for storage, mixture, preparation of surfaces, application, use, or misuse of product or its conformity to specifications that are not previously and expressly acknowledged in writing by SSI.

To Purchase, Please Contact SSI at Any of the Following Locations:

Dallas, TX (972) 243-0676 ♦ Fort Worth, TX (682) 647-1881
Houston, TX (713) 460-8800 ♦ Austin, TX (512) 326-1156
San Antonio, TX (210) 930-6360 ♦ El Paso, TX (915) 591-6800
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