



Filon® Gripstar® Anti-Skid Interior Floor Finish

Part Number/Identifier: GPS
Application: ANTI-SKID FLOOR FINISH

PRODUCT:

Filon Gripstar is a granulate anti-skid grp/frp floor finish that was designed for use as a flooring finish in commercial vehicles. Unlike other options for flooring, Gripstar will not rot, corrode, mildew, or dent over time.

PURPOSE:

The anti-skid floor product is especially designed for use as a flooring finish for vans and recreational vehicles.

PHYSICAL PROPERTIES: TABLE 1

PROPERTY	TYPICAL VALUE		TEST METHOD
	0.08"	2.0 mm	
Flexural Strength	12 x 10 ³ psi	83 MPa	ASTM D790
Flexural Modulus	0.35 x 10 ⁶ psi	2413 MPa	ASTM D790
Tensile Strength	5.5 x 10 ³ psi	38 MPa	ASTM D638
Tensile Modulus	0.6 x 10 ⁶ psi	4137 MPa	ASTM D638
Izod Impact	4 ft-lb/in	0.21 J/mm	ASTM D256
Barcol Hardness	45	45	ASTM D2583
Taber Abrasion	.00017 lbs/100 cycles	0.075 g/100 cycles	5131 Abraser; H-18 Wheel
Coefficient of Linear Thermal Expansion	1.6 x 10 ⁻⁵ in/in•°F	29 µm/m•°C	ASTM D696
Static Coefficient of Friction (Dry Leather)	1.15	1.15	ASTM D2047-99
Static Coefficient of Friction (Wet Leather)	1.1	1.1	ASTM D2047-99
Static Coefficient of Friction (Dry Rubber)	1.04	1.04	ASTM D2047-99
Static Coefficient of Friction (Wet Rubber)	0.93	0.93	ASTM D2047-99
Conductivity (K Factor)	1.2 BTU•in/hr•ft ² •°F	14.9 kcal•cm/hr•m ² •°C	ASTM C177
Surface Burning Characteristics	Class C	Class C	ASTM E84
Average Burn Rate	0.6 in/min	15.2 mm/min	ASTM D635
Building Code Classification	C2 or CC2	C2 or CC2	ASTM D635

DESIGN DATA: TABLE 2

PART NUMBER IDENTIFIER	NOMINAL THICKNESS	FINISH	NOMINAL WEIGHT	GRANULATION	LENGTH	WIDTH	COLORS
GPS	0.08" (2.0mm)	Coarse	0.525 lb/ft ² (2.1 kg/m ²)	.012" to .039" (0.3mm to 0.98mm)	Up to 300' (90m)	36" - 102" (0.9m - 2.7m)	601 Light Gray
							695 Black

Available in cut-to-length and continuous lengths.

SPECIFICATIONS

Filon panels are manufactured by a continuous laminating process in lengths and widths as required.

COMPOSITION

1. Reinforcement: Random chopped fiberglass roving.
2. Resin Mix: Modified polyester/styrene copolymer and inorganic fillers and pigments.

FINISHED PANEL QUALITY

1. Panels shall have coarse finish on the front side. Backside imperfections, which do not affect functional properties, are not cause for rejection.
2. Physical properties shall be as set forth in Table 1.
3. Dimensions shall be as specified on purchase order, subject to the following tolerances:
 - Width:** $\pm 1/8"$ (± 3.2 mm)
 - Length:** $\pm 1/8"$ (± 3.2 mm) up to 8' (2.4 m)
 $\pm 1/4"$ (± 6.4 mm) up to 40' (12.2 m)
Coils up to 200 liner feet $\pm 6'$
 - Squareness:** $1/8"$ (3.2 mm) in 4' (1.2 m) of width
Ex: 96" x 40' (2.4 m x 12.2 m) maximum out of square is $1/4"$ (6.4 mm) 48" x 40' (1.2 m x 12.2 m) maximum out of square is $1/8"$ (3.2 mm)
4. **Disclaimer:** Crane Composites does not make any claims to the combustibility rating of the products listed on this data sheet. Not intended for interior applications.

CERTIFICATION

1. Flame spread less than 200, smoke developed 450 or less (per ASTM E-84) Class C.
2. Meets the FMVSS #302 requirement.
Results: 0.8" - 1.0" min. (12.7 mm - 25.4 mm/min.) according to an independent lab report.

FABRICATING RECOMMENDATIONS

Note: Protect your eyes with goggles; cover your nose and mouth with a filter mask; cover exposed skin when cutting Filon panels.

Hand fabricating: Drilling—High speed drill bit (60° cutting angle, with 12°-15° clearance) or hole saw.

Stapling: Standard pneumatic stapler.

Cutting: Sheet metal shears or circular saw with reinforced carborundum or carbide-tipped blade.

Production fabricating: Use carbide-tipped tools. Straight cuts can be sheared (90° cutting edge with 0.002"[0.05 mm] clearance) or sawed. For irregular cuts, use die punch or band saw.

Installation: When installing Gripstar, please refer to the Coefficient of Linear Thermal Expansion in Table 1. For example, a 12' (3.7 m) piece would expand 0.207"(5.3 mm) in size going from 70°F to 160°F.

RESISTANCE TO SPECIFIC CHEMICALS

CHEMICAL	RATING	GENERAL COMMENTS
Gasoline	E	None
Used Oil	E	None
Antifreeze	E	None

General Notes:

- Ratings are based on a combination of visual observations, and mechanical strength test results.
- All testing was done at 77°F \pm 10°F. Performance ratings are not necessary valid outside of that temperature range.
- Test was run per Crane Composites product development procedure#8125: surface chemical resistance. In this procedure, the chemicals are exposed to the surface of the panel for 7 days.

Ratings Key:

- E (Excellent): Suitable for use in most exposure conditions.
- G (Good): Probably suitable for use; testing under specific exposure conditions is suggested.
- F (Fair): Possibly unsuitable for use; testing under specific exposure conditions is recommended.
- P (Poor): Unsuitable for use; testing under specific exposure conditions.
- C: Color change
- NT: Not tested

STORAGE REQUIREMENTS

Keep contents dry. Store indoors in a well ventilated area. Exposure to moisture will cause discoloration and lead to poor adhesive bonding.

NOTICE

By nature, fiberglass reinforced plastic may occasionally have small areas that are aesthetically unacceptable for use. Panels should be inspected on-site prior to installation. If any portion of material will not provide an acceptable appearance, Crane Composites, Inc. should be notified at once. Upon verification of unacceptability, that portion of material will be replaced by Crane Composites. Crane Composites' sole responsibility is for repair or replacement of defective material but not for labor or other handling, incidental or installation expenses.

WARRANTY

This product is warranted to be free from substantial defects in materials and workmanship. This warranty is extended only to originals purchases from installers, authorized dealers, and/or distributors and is non-transferable. For more information, please contact Crane Composites's customer service department at 1-800-435-0080.

NONWARRANTY

We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions of use are beyond our control, all risks are assumed by the user. Nothing herein shall be construed as a recommendation for uses that infringe on valid patents or as extending a license under valid patents.

Additional Information Available:

- #6290 RV Packet