



Quantum Chemical

PRECIDIUM™
MASS TRANSIT
Innovation
It's all in the Chemistry!

PRECIDIUM™ MTI Bus Floor

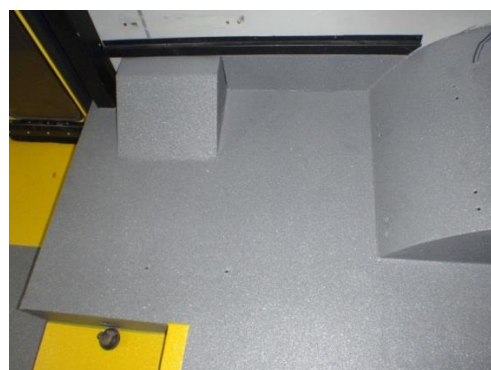
DESCRIPTION

PRECIDIUM™ MTI Bus Floor is a 100% solids, high-performance, two-component proprietary elastomer, providing a seamless, durable and attractive flooring that will last the life-time of the bus. Anti-slip characteristics are embedded throughout the entire membrane. The productive installation of this flooring is unmatched.

PROPERTIES*

Set Time	2 minutes
Shore D Hardness	30D
Tensile Strength	ASTM D412: 1500 psi
Elongation	ASTM D412: 350%
Tear Strength	ASTM D624A: 250 pli
Taber Abrasion	ASTM D4060: 15 mg CS-17 250 mg H-18 (1000 revolutions; 1000g weight)
Hardness	Durometer Hardness: 30D
Weight	1.5 kg/m ² (at 60 mils sprayed thickness)
Slip resistance	Excellent
Chemical resistance	Excellent

*Approximate values only. Should not be considered specifications. This data sheet is intended for general information only.



APPLICATION

For application, use a high-pressure, plural component proportioner (1:1) system capable of producing 2500-3500 psi. Recommended equipment consists of a Graco H-XP2 with a Fusion AP gun or equivalent.

FEATURES

- Seamless floor
- Zero VOC
- 10% recycled content
- Phthalate free
- Excellent abrasion and impact resistance
- Flexible and waterproof
- Stain resistant
- Lightweight
- Wide range of colors available

STORAGE

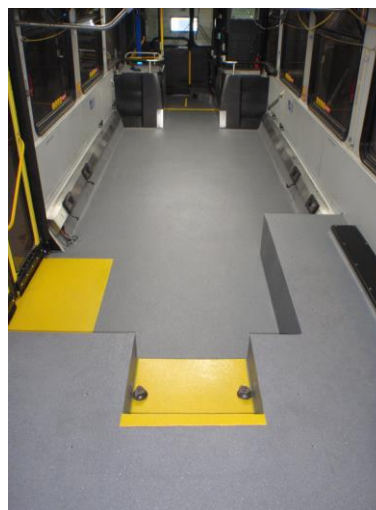
Store in a cool and dry place for product integrity. Store in tightly sealed containers to protect from moisture contamination and foreign materials.

AVAILABILITY

PRECIDIUM™ MTI Bus Floor is packaged in 200 Liter drums. (400 Liters/set)

PRODUCT SAFETY

An SDS is available upon request.



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ADVANTAGES FOR BUS OEM/REFURBISHERS

Unlike traditional transit floor coverings, **PRECIDIUM™ MTI Bus Floor** is specifically engineered to meet the needs of the bus industry. It is an innovative, light-weight, seamless floor covering that allows Bus OEMs and Refurbishers to deliver significant benefits to transit properties.

Excellent abrasion and adhesion properties result in floors that won't wear quickly or delaminate under even the toughest weather conditions. Floors look newer, longer.

Product Attribute	Benefit to Transit Property
Spray Applied Coating Creates a seamless and impermeable membrane.	Prevents water and dirt from penetrating the surface and causing adhesion failure or corrosion of the substrate.
Easy to Maintain Excellent stain resistance – including grease and oil.	The floors seamless nature means dirt can't collect between panels, making it easy to clean and maintain for a pleasant commuter experience.
Quick and Easy to Install Productive spray-applied installation process.	Time-consuming tasks of molding, fitting and handling materials are completely eliminated to save cost and minimize down time.
Extremely Durable Exceptional abrasion and impact resistance.	Extends the life of the floor, decreases maintenance costs and won't show the wear and tear from thousands of daily commuters.
High Performance Proprietary elastomer technology.	Combines a soft, comfortable and safe feel underfoot with aesthetically pleasing design, providing a high level of commuter satisfaction.

PRODUCT COMPARISON

Product Attribute	PRECIDIUM™ MTI Bus	Vinyl	Rubber
Hardness Shore D	30D	55D-60D	45D-50D
Tensile Strength (psi) ASTM D412	1500 psi	1352 psi	1017 psi
Elongation (%) ASTM D412	350%	0.71%	85%
Tear Strength (pli) ASTM D624A	250 pli	296 pli	189 pli
Slip Resistance ASTM D2047	≥ 0.6	≥ 0.6	≥ 0.6
Taber Abrasion CS-17 ASTM D4060	15 mg loss	42 mg loss	256 mg loss
Taber Abrasion H-18 ASTM D4060	250 mg loss	178 mg loss	926 mg loss
Wear Layer	100% Top to Bottom	0.8mm-1.4mm	100% Top to Bottom
Density (g/cm³)	0.9999	1.285	1.6
Thickness (mils)	60 mils	106 mils	113 mils
Weight (lbs./feet²)	0.3	0.71	0.94
Weight (lbs./yard²)	2.81	6.38	8.46
Chemical Resistance	Excellent	Excellent	Excellent
Stain Resistance	Excellent	Excellent	Excellent
UV Stability	Excellent	Very Good	Poor