

FLOORING SOLUTIONS THAT LAST FOR 30+ YEARS

MASS TRANSIT FLOOR COVERING

The life cycle of the ABRASTOP™ Floor Covering, combined with its ease of maintenance, makes it the most economical solution for the Mass Transit market.

FEATURES INCLUDE

- Widely used since 1985
- Meets Mass Transit standards
- Very high resistance to wear
- Easy to clean
- Easy to repair
- Water-resistant
- Non-porous surface
- Non-slip surface
- Sized as per customer's requirements
- Customized colours available
- Options for integrated logo, HPPL or tactile strips



Never Underestimate Materials Intelligence.



mason grogan
INDUSTRIAL

SPECIALIST MATERIALS FOR DESIGN ENGINEERS

SPECIFICATIONS

The Abrastop™ is a floor covering composed with coloured aggregates, wrapped in a thermosetting resin matrix on a fiberglass support. It is installed on the subfloor with a high-performance flexible adhesive troweled under the coating. The 5mm (3/16 inch) seams between the panels are filled with coloured flexible sealant.

GENERAL			
Dimensions	Panels size up to 1,500mm x 3,000mm (59in x 118in)		
Thickness	3.5 ± 0.5mm (0.138 ± 0.020 po.)		
Specific gravity	1.90 g/cm ³ (118.61 lbs/ft ³)		
Surface density	6.6 kg/m ² (1.35 lbs/ft ²)		
PHYSICAL PROPERTIES			
Tensile strength (ASTM D638)	35 MPa (5,076 psi)		
Compressive strength (ASTM D695)	70 MPa (10,153 psi)		
Operating temperature	from -40°C to +70°C (-40°F to 158°F)		
Coefficient of linear thermal expansion (ASTM D696-08)	3.0 x 10 ⁻⁵ /°C (between -30°C et +60°C)		
Wear resistance (ASTM D501 with H-22 wheel)	Weight loss < 0.9%		
Hardness (ASTM D2583-07)	64 Barcol		
Acoustical performance			
Sound transmission loss (ASTM E90)	STC: 28	Rw: 28	OITC: 22
Sound absorption (ASTM C423)	NRC: 0.05	SAA: 0.05	
CHEMICAL PROPERTIES			
Water absorption (ASTM D570)	after 48h: 0.45 %		after 14 days: 0.68 %
Salt spray fog resistance (ASTM B117-09)	No visible change after 600h of exposure		
Household chemical resistance¹ (ATSM D1308-02) / (NF EN 430)			
No effect after 24 hours of exposure	Alkali solution		
	Acid solution		
	Soap solution		
	Detergent		
	Vegetable oils		
	Ketchup		
	Coffee		
	Motor oil		
Chemical products resistance¹ (ASTM D534-06)			
No apparent change	Detergent solution, Heavy duty		
	Ethyl Alcohol (95%)		
	Mineral Oil		
	Sodium Chloride Solution (10%)		
	Sodium Hydroxide Solution (10%)		
	Turpentine		
Slight yellowing	Sodium Hypochlorite Solution (5,5%)		
Whitening	Acetic Acid (5%)		
	Hydrochloric Acid (10%)		
	Sulfuric Acid (3%)		

For a reinforced version of the ABRASTOP™, see the ABRASTOP™/FIBER technical specification # IR50-0033. See technical specifications # IR50-0009 for further information on the low-level exit path marking.

CHEMICAL PROPERTIES (continued)

Graffiti resistance¹ (ASTM D 6578-08)

Cleanable ²	Solvent based acrylic spray paint
	Solvent based alkyd spray paint
	Wax crayon
	Ball point ink
	Water-based black ink marker

SAFETY

Static Coefficient of Friction		Dry	Wet
(ASTM C1028-06)		0.75	0.6
(ASTM D2047) ³	Leather Neolite	0.6 0.7	0.9 0.8
Inclined Plane (DIN 51-097)	from 28° to 30° (dry and wet, with dress shoes)		
Fire resistance (NF P92 501/507)	M2		
Smoke test (NF X 10-702)	F1		
Critical Radiant Flux (ASTM E648)	> 1.1 W/cm ²		
Specified Minimum	0.5 W/cm ²		

Specific Optical Density of Smoke (ASTM E662)

Mode	Specified Maximum	Flaming	Non-flaming
D _s at 1.5min	100	0	0
D _s at 4.0min	200	70	7

Toxic Gas Generation⁴ (Boeing BSS 7239) (ppm)

Mode	Specified Maximum	Flaming	Non-flaming
CO	3500	1200	118
NO ²	100	<1	<1
SO ²	100	<6	<6
HCl	500	<12	<12
HF	200	<12	<12
HBr	—	<3	<3
HCN	150	8	<1

Caloric Content (ASTM E1354 with heat flux of 50 KW/m²)

Average Effective Heat of Combustion	19.33 MJ/kg (8626 BTU/lb)
Overall average Caloric Content	5.1 MJ/kg (2195 BTU/lb)

¹ Other products can be tested upon request. ² Report IR00-0161, available upon request, shows details of the cleaning procedure used. Baultar recommends procedure IT19-1030 for graffiti cleaning. ³ Test result obtained in 2004. ⁴ Bombardier SMP 800 available upon request.

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