

FLOORING SOLUTIONS THAT LAST FOR 30+ YEARS

MASS TRANSIT FLOOR COVERING

The life cycle of the ABRASTOP™ / FIBRE 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™ / Fibre is a reinforced version of the Abrastop™ Floor Covering. This reinforcement of fiberglass and thermosetting resin allows the panels to overlap the irregularities of the subfloor without risk of cracking. It is installed to the subfloor using a flexible high-performance adhesive trowelled onto the entire surface. The 5mm (3/16in.) 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	5.0 ± 1.0mm (0.197 ± 0.04 in.)		
Specific gravity	1.86 g/cm ³ (116.12 lbs/pi ³)		
Surface density	9.3 kg/m ² (1.90 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)	2.3 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) Sound absorption (ASTM C423)	STC: 30 NRC: 0.05	Rw: 30 SAA: 0.05	OITC: 24
Flexural Strength (ASTM D790): Flexural Strength at Break: Flexural Strain at Break:	202 MPa 3.31 %		
Impact Resistance (ASTM D5420-10):	GC geometry with a 2 lbs (0.909 kg) hammer		
Mean failure height: Mean failure energy:	43.18 cm (17 in) 1.9 Joules		
CHEMICAL PROPERTIES			
Water absorption (ASTM D570)	after 48h: 0.70 %		after 14 days: 1.08 %
Salt spray fog resistance ⁴ (ASTM B117-09)	No visible change after 600h of exposure		
Household chemical resistance ^{1,4} (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 resistance ¹ (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%)		

See the technical specification # IR50-0055 for further information on the ABRASTOP™. See technical specifications # IR50-0009 for further information on the low-level exit path marking.

CHEMICAL PROPERTIES (continued)

Graffiti resistance^{1,4} (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
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SAFETY

Static Coefficient of Friction ⁴		Dry	Wet
(ASTM C1028-06)		0.75	0.6
(ASTM D2047) ³	Leather	0.6	0.9
	Neolite	0.7	0.8
Inclined Plane ⁴ (DIN 51-097)	from 28° to 30° (dry and wet, with dress shoes)		
Fire resistance ⁴ (NF P92 501/507)	M2		
Smoke test ⁴ (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	37	3

Toxic Gas Generation⁵ (Boeing BSS 7239) (ppm)

Mode	Specified Maximum	Flaming	Non-flaming
CO	3500	1020	88
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)

	20 KW/m ²	50 KW/m ²
Average Effective Heat of Combustion	22.07 MJ/kg (9515 BTU/lb)	19.88 MJ/kg (8559 BTU/lb)
Overall average Caloric Content	4.60 MJ/kg (1982 BTU/lb)	5.35 MJ/kg (2305 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 Results are those of the ABRASTOP™ flooring only. ⁵ Bombardier SMP 800 available upon request.

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