

# Technical Data Sheet

## Studio Collection



### Product Information

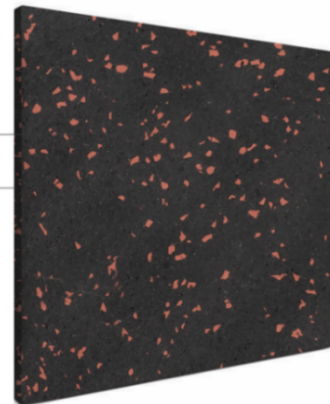
Composition	Construction	Mat Size	Sq. Ft. / Mat	Edge Finish	Available Thickness	Manufactured
Recycled Rubber	Mats manufactured in block form	38" x 38"	10.02	Square	4mm, 5mm, 6mm (Square only)	North America
Synthetic Rubber		37" x 37"	9.5	Interlocking	7mm, 8mm, 9mm, 10mm (Both edge finishes)	
Polyurethane Binder					Custom thicknesses available	

### Installation

Edge Finish	Installation Type	Layout
Square	DinoGrip adhesive	Ashlar/Brick pattern
Interlocking	Loose lay	Ashlar/Brick pattern

### Product

Homogeneous, no color wear  
 High Density, Low Porosity  
 Durable product, ease of maintenance



### Maintenance

Cleaner	Cleaning	Cleaning Method
DinoClean	Vacuum or sweep	Microfiber mop
		Auto Scrubber

### Sustainability

Certification Attribute	Standard	3rd party Certification/Certifier	
Low-Emitting Material	CDPH/EHLB v1.2-2017 (California Section 01350)	#SCS-FS-02144	
LEED Scorecard	MR2.2, MR4, MR5, EQ4.1, EQ4.3, ID1.1		
Performance	Standard	Requirement	Performance Requirements
TVOC Range	CDPH/EHLB v1.2-2017 (California Section 01350)	<0.5 mg/m <sup>3</sup>	Pass
Low Emitting Adhesives	SCAQMD Rule #1168	Less than 50 g/L	Pass, 37 g/L
Recycled Content	Black: 89.14% Post-Consumer, 0.0% Post-Industrial, 89.14% Total Recycled Content		
	Low Color: 41.91% Post-Consumer, 4.72% Post-Industrial, 46.63% Total Recycled Content		
	Mid Color: 19.67% Post-Consumer, 7.0% Post-Industrial, 26.67% Total Recycled Content		
	High Color: 16.27% Post-Consumer, 7.35% Post-Industrial, 23.62% Total Recycled Content		

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### Testing

Description	Test Method	Up to 50% Color	Over 50% Color
Accelerated Floor Trafficking		None	None
Static Propensity	AATCC 134	Maximum Average Voltage = POS 1.6 KV	
Electrical Resistance - Surface to Ground	ANSI ESD S7.1	50%RH = 5.2x10 <sup>9</sup> Ohms	
		12%RH = 1.2x10 <sup>10</sup> Ohms	
Electrical Resistance - Surface to Surface	ANSI ESD S7.1	50%RH = 1.9x10 <sup>10</sup> Ohms	
		12%RH = 4.5x10 <sup>10</sup> Ohms	
Sound Absorption / Noise Reduction Coefficient	ASTM C423		SAA - 0.06
			NRC - 0.05
Abrasion Resistance	ASTM C501	Weight Loss 0.71 grams (0.8%)	Weight Loss 2.85 grams (4.0%)
Compression Set	ASTM D395B	96.3% Recovered; 3.7% Unrecovered	94.7% Recovered; 5.3% unrecovered
Breaking Load / Elongation / Tensile	ASTM D412	Breaking Load: 114.9 lbs.	Breaking Load: 73.7 lbs.
		Elongation: 120.6%	Elongation: 117.6%
		Tenacity: 290.2 Lbs./Square Inch	Tenacity: 186.1 Lbs./Square Inch
Static Coefficient	ASTM D2047	Dry 1.04; Wet 1.05	Dry 0.85; Wet 1.01
Hardness Shore A Durometer	ASTM D2240	65	62
Density	ASTM D3676	66.0 Lbs./Cubic Foot	78.3 Lbs./Cubic Foot
Impact Sound Transmission	ASTM E492	4mm IIC 56	8mm IIC 59
Critical Radiant Flux	ASTM E648	CRF 0.11 watts/square cm (10mm 10% EPDM)	CRF 0.19 watts/square cm (4mm 70% EPDM)
		CRF 0.12 watts/square cm (10mm 50% EPDM)	CRF 0.23 watts/square cm (4mm 80% EPDM)
		CRF 0.35 watts/square cm (6mm Medium Color)	CRF 0.25 watts/square cm (6mm 80% EPDM)
			CRF 0.49 watts/square cm (6mm High Color)
			CRF 0.22 watts/square cm (10mm 80% EPDM)
Critical Radiant Flux - With Fire Retardant	ASTM E648	CRF 0.37 watts/square cm (6mm - 80% Fire Retardant/20% SBR)	CRF 0.20 watts/square cm (8mm - 40% Fire Retardant/60% SBR)
		CRF 0.51 watts/square cm (8mm - 80% Fire Retardant/20% SBR)	CRF 0.37 watts/square cm (10mm - 40% Fire Retardant/60% SBR)
		CRF 0.35 watts/square cm (10mm - 80% Fire Retardant/20% SBR)	
		CRF 0.63 watts/square cm (4mm 30% EPDM with Fire Retardant)	

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### Testing (cont'd)

Critical Radiant Flux (15 min burn)	ASTM E648 (NY)	CRF 0.23 watts/square cm (10mm 10% EPDM)	CRF 0.59 watts/square cm (4mm 70% EPDM)
		CRF 0.44 watts/square cm (10mm 50% EPDM)	CRF 0.84 watts/square cm (6mm 80% EPDM)
			CRF 0.61 watts/square cm (10mm 80% EPDM)
Critical Radiant Flux (15 min burn) - With Fire Retardant	ASTM E648 (NY)	CRF 0.84 watts/square cm (4mm Black with 30% EPDM with Fire Retardant)	
Smoke Density	ASTM E662	Flaming 748; Non-Flaming 618	Flaming 462; Non-Flaming 396
Flexibility	ASTM F137		Passes 6 mm Mandrel
Electrical Resistance - Surface to Ground	ASTM F150	4.6x10 <sup>10</sup> Ohms	1.9x10 <sup>11</sup> Ohms
Electrical Resistance - Surface to Surface	ASTM F150	1.5x10 <sup>11</sup> Ohms	3.9x10 <sup>11</sup> Ohms
Resistance to Chemicals	ASTM F925	No Change to all with the exception of Slight Change to Kerosene	No Change
Static Load (24 Hr. period)	ASTM F970	0.004 Inch Residual Compression @ 250 lbs.	0.030 Inch Residual Compression @ 1,000 lbs.
Short Term and Residual Indentation (@ 140 lbs.)	ASTM F1914	0.025 Inch (6.0%) Immediate Indentation	-0.030 Inch (9.0%) Residual Indentation
		0.007 Inch (1.7%) Residual Indentation	
Mildew Resistance	ASTM G21	Light Mold Growth after 28 days	No Mildew after 28 days
Surface Burning	CAN ULC 102.2	FSC1 110; SD 625 (30% EPDM)	
Surface Burning - With Fire Retardant	CAN ULC 102.2	FSV 130; SDV 566 - 6mm 50% EPDM with 50% Fire Retardant	FSV 87; SDV >450 - 6mm 15% SBR; 70% EPDM
		FSV 126; SDV 570 - 6mm 100% Fire Retardant	FSV 50; SDV 270 - 6mm 75% EPDM
		FSV 55; SDV 331 - 6mm 25% EPDM 75% Fire Retardant	
Burning Pill Test	CPSC FF 1-70	Passes	Passes
Static Decay NFPA 99	FTM 101B/NFPA 99 Method 4046	Decay Time -5000 Volt Charge 0.25 seconds	

### Warranty

10-year Limited Commercial Warranty when installed in accordance with Studio Collection's Installation Guidelines.