

AerMat[®] 27R / 37R / 45R

Technical Data Sheet

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Property	Test Method	AerMat [™] 27R	AerMat [™] 37R	AerMat [™] 45R
Weight	ASTM D 792	27oz/yd ² ± 10% (916g/m ²) ± 10%	37oz/yd ² ± 10% (1255g/m ²) ± 10%	45oz/yd ² ± 10% (1526g/m ²) ± 10%
Gauge*	Before texturing	0.027" ± 10% (0.7mm) ± 10%	0.037" ± 10% (0.9mm) ± 10%	0.045" ± 10% (1.1mm) ± 10%
Flammability	FAR 25.853(a) (12-Second Vertical Burn)	Pass	Pass	Pass
Hardness	ASTM D2240	80 shore A	80 shore A	80 shore A
Colorfastness	ASTM G53 QUV (QUV 340A, 100 Hours)	ΔE < 1	ΔE < 1	ΔE < 1
Dimensional Stability	ASTM D1204 30 min @ 200°F (93°C)	< 0.2%	< 0.2%	< 0.2%
Permeability	ASTM E96	No visible transmission	No visible transmission	No visible transmission
Tape compatibility	ASTM D903 ASTM D1000	Pass Pass	Pass Pass	Pass Pass
Peel Strength	BMS 8-286E	Pass	Pass	Pass
Cleanability	BMS 8-286E	No staining	No staining	No staining

*Gauge is measured before texturing.

Sliding Friction (MIL W-5044C)				
Textures	Rubber Dry	Rubber Wet	Leather Dry	Leather Wet
11	0.8	0.8	0.5	0.7
20	0.8	0.8	0.5	0.7
30	0.8	0.8	0.5	0.7
695	0.8	0.8	0.5	0.7

Static Friction (BMS 8-286E)				
Textures	Rubber Dry	Rubber Wet	Leather Dry	Leather Wet
11	1.0	0.8	0.8	0.8
20	1.0	0.8	0.7	0.7
30	1.0	0.8	0.7	0.7
695	1.0	0.8	0.7	0.7

AerMat 27R/37R/45R should be stored at temperatures 40-80°F (4-27°C). If the AerMat 27R/37R/45R is not stored at recommended temperatures this will void the warranty.