



Gilt Edge Industries Ltd

TECHNICAL DATA SHEET

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Giltgrip Sportsmat Specialised Flooring Underlay System

Usage - Gymnasiums, aerobic, sporting areas and high end commercial where high impact absorption, noise reduction and luxury feel is essential.

TECHNICAL DETAILS

Property	Requirements per AS 4288-2003	Typical Results	Test Method
Length (metres)		6.10m	
Width (metres)		1.80m	
Weight (g/m ²)		2540g/m ²	
Thickness (mm)	± 12%	7.50mm	AS/NZS 2111.1
Breaking Strength			
- Warp (N/50mm)	40 N minimum	350	ISO 9073.3
- Weft (N/50mm)	40 N minimum	400	ISO 9073.3
Extension under force at 40 N (%)	20% maximum	4%	ISO 9073.3
Loss in thickness			
- Static load (%)	15% maximum	7%	AS/NZS 2111.14
- Dynamic load (%)	15% maximum	2%	AS/NZS 2111.2
Work of Compression (J/m ²)		80 J/m ²	AS 4288-2003
Work of compression after dynamic load (1000 impacts) (J/m ²)	50 J/m ² minimum 200 J/m ² maximum	136 J/m ²	AS 4288-2003 Appendix A
Retention of work of compression after dynamic load (1000 impacts) (%)	40% minimum	170%	AS 4288-2003 Appendix A
Deflection @ 100Pa after dynamic load (1000 impacts) (mm)	1.5mm minimum 9.0mm maximum	2.7mm	AS 4288-2003 Appendix A
Acoustic dB rating. NB: Excluding the Subfloor Impact Isolation Class (IIC rating) Underlay only: 30dB With Commercial Broadloom Carpet: 46dB			Reduction of impact sound pressure level according to ISO 10140-3/ ISO 717-2 Impact Sound Reduction (Delta Lw)

Backing Material: **Topside**– Textron paper **Downside**– Woven Polypropylene (Action Back)

Adhesives **Underlay to Floor:** Giltgrip 66, Polymer 999, Giltgrip 22, Roberts 80

Carpet to Underlay: Giltgrip 22, Roberts 80

Advantages

Sportsmat is a SBR rubber sponge underlay designed for Double Bond installation. It is produced in a continuous sheet with square trimmed edges Double-stick system means rapid installation with no rucking or stretching of carpet.

Superior impact shock absorption compared to available alternatives.

Packaging

6.10m x 1.80m 27.6+/-0.6kg/roll. Available ex-stock. The underlay is packaged in a polyethylene wrap, which has the ends gathered and sealed with a twist tie wire and is spot welded across the open edge.