

PREMIUM COMMERCIAL DOUBLE BONDED UNDERLAY SYSTEMS



3 STEP
TOTAL FLOORING SYSTEMS



Designed Specifically for the Healthcare,
Hospitality, Fitness, Education and
Commercial Sectors.

Giltgrip Premium Commercial Double Bond Underlay Systems

With proven performance over many years in key commercial facilities throughout Australia and New Zealand. Specifically designed for both Heavy Duty and Extra Heavy duty Contract Commercial Environments.

Gilt Edge have developed the 3 Step Total System Warranty for:

- Step 1.) Subfloor preparation.
- Step 2.) Underlay to subfloor installation.
- Step 3.) Carpet to Underlay installation.

Project specification is easy via Gilt Edge Masterspec Sections, and Parnernet Work Section Support just an email away.



- 3124GE Gilt Edge Concrete Cure, Hardener, Moisture Control & Protection
- 6122GE Gilt Edge Floor Levelling Systems
- 6511GE Gilt Edge Residential & Commercial Underlay
- 6614GEGilt Edge Stair Nosing, Transitions & Trim

Designed Specifically for your key commercial projects including:

- | | |
|--------------------|---------------|
| Airports | Event Centres |
| Apartments | Education |
| Auditoriums | Gyms |
| Aged Care Homes | Hospitals |
| Board Rooms | Hotels |
| Conference Centres | Offices |

Features & Benefits:

- Manufactured in New Zealand
- Ultra-durable SBR Songe Rubber construction guards against rucking, stretching and wave action delamination from heavy foot/wheel traffic.
- Carpet feeling more luxurious with enhanced underfoot comfort.
- Extends the life of the carpet and improves appearance retention.
- Guaranteed for the life of the carpet.
- Increases thermal insulation for reduced energy consumption and warmer rooms.
- Improves Impact Insulation Class Ratings essential in reducing transference of noise.
- Suitable for all floor types, including heated slabs.
- Anti microbial.
- Recyclable.
- Meets Australian Standard AS 4288-2003 for underlay durability.
- Pressure sensitive adhesive (underlay to subfloor adhesion option) for ease release up uplift in the future.
- All system adhesives and primers are manufactured in Australasia from solvent free, water-based formulations and are certified Low VOC and comply with NZ Green Star Adhesives /Sealants VOC limits.



FOR MORE INFORMATION CONTACT:
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PREMIUM COMMERCIAL DOUBLE BONDED UNDERLAY SYSTEMS COMPARISON CHART



Specifications

| Product: | Simlay Plus | Bettalay | Sportsmat | Supportapad (used exclusively under carpet tiles) |
|--|---|---|---|---|
| Body: | SBR Latex Rubber | SBR Latex Rubber | SBR Latex Rubber | SBR Latex Rubber |
| Density: | 307kg/m ³ | 238kg/m ³ | 338kg/m ³ | 351.3kg/m ³ |
| Anti-microbial: | YES | YES | YES | YES |
| Thickness: | 4.7mm | 6.5mm | 7.5mm | 3.4mm |
| Width: | 1800mm | 1800mm | 1800mm | 1800mm |
| Roll length: | 10mtr (5 broadloom) | 10mtr (5 broadloom) | 6.1mtr (3.05broadloom) | 12mtr (6 broadloom) |
| Top Layer: | Textron re-inforced paper | Textron re-inforced paper | Textron re-inforced paper | Textron re-inforced paper |
| Bottom Layer: | Hessian | Woven Polypropylene | Woven Polypropylene | Woven Polypropylene |
| *Acoustic dB rating. NB: Excluding the Subfloor Impact Isolation Class (IIC rating) | Underlay only 26dB With Commercial Broadloom Carpet 38dB | Underlay only 30dB With Commercial Broadloom Carpet 46dB | Underlay only 30dB With Commercial Broadloom Carpet 46dB | Underlay only 20dB With Commercial Carpet Tiles 34dB |
| Classification: | Heavy Duty Contract Commercial | Heavy Duty Contract Commercial | Extra Heavy Duty Contract Commercial | Heavy Duty Contract Commercial |
| Manufactured: | New Zealand | New Zealand | New Zealand | New Zealand |
| Installation: | Double Bond | Double Bond | Double Bond | Double Bond |
| Gilt Edge Total Warranted Systems using Low VOC Primers/Adhesives | Yes: Using Gilt Edge Specified Systems | Yes: Using Gilt Edge Specified Systems | Yes: Using Gilt Edge Specified Systems | Yes: Using Gilt Edge Specified Systems |

*Laboratory measurements of the reduction of transmitted impact sound by floor coverings on a heavyweight reference floor. Impact Sound Reduction (Delta Lw) Laboratory Test results available upon request help@giltedge.co.nz or online: www.giltedge.co.nz

Systems Adhesives/Primers Comply with Low VOC Certification Requirements.



3 STEP TOTAL FLOORING SYSTEMS

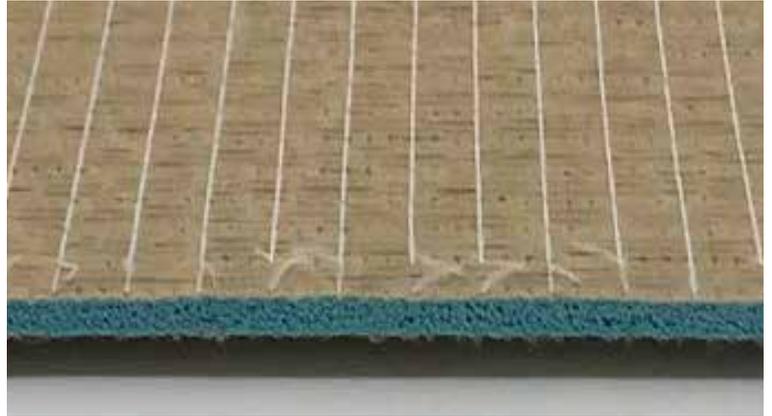


Giltgrip® Simlay Plus

Giltgrip Simlay Plus is a 4.7mm thick premium grade SBR rubber double bond underlay for use in heavy contract commercial environments and high traffic areas including healthcare, aged care, hospitality, offices, apartments.



Millenium Hotel refurbishment, Rotorua.

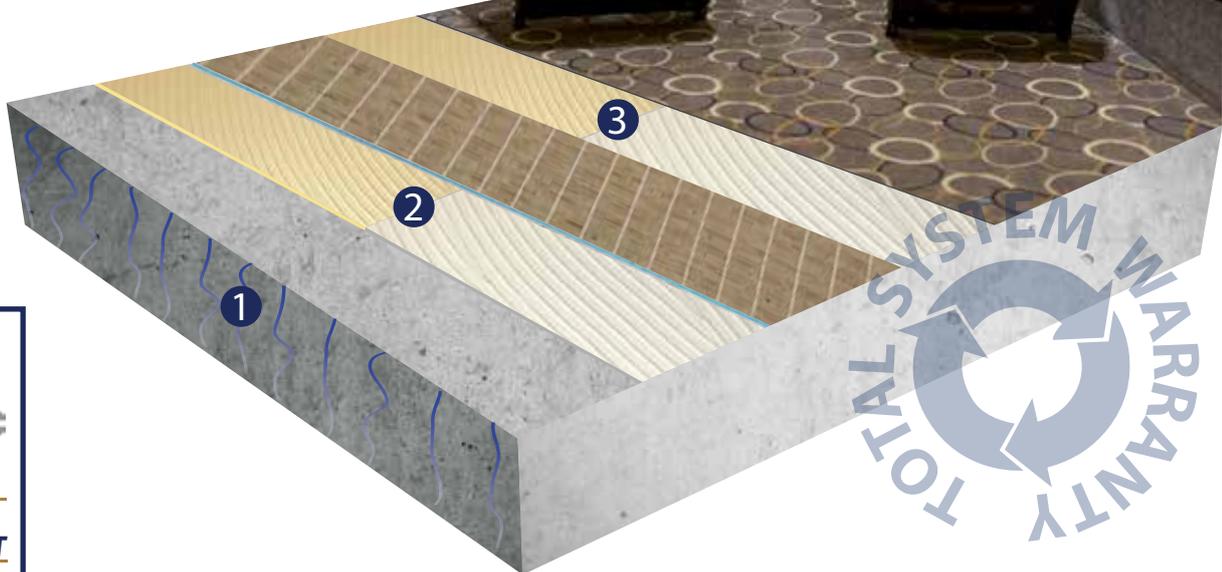


3 Step Total Flooring System Installation

- 1 CONCRETE TREATMENT**
Concrete Slab Treated with Protect Crete X200 Densi-Proof (at time of pour) to cure, densify, protect and moisture control
- 2 SIMLAY PLUS GLUED TO SUBFLOOR**
Carpet Adhesive: Giltgrip®22 or Roberts 80
or Pressure Sensitive Adhesive: Giltgrip®66 or Polymer 999
- 3 CARPET GLUED TO SIMLAY PLUS**
Carpet Adhesive: Giltgrip®22 or Roberts 80



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TECHNICAL DATA SHEET

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Giltgrip Simlay Plus Specialised Flooring Underlay System

Usage: For double-stick installation in commercial areas where a greater level of staff and client comfort is needed.

TECHNICAL DETAILS

| Specifications | | Double Sided Textron Paper/ Hessian-4.7mm RULSIMPLUS |
|------------------|-----|---|
| Product Code | | |
| Gauge (mm) | +/- | 4.7 0.3 |
| Roll Width (mm) | | 1830 |
| Roll length (m) | | 10 |
| Roll Weight (kg) | +/- | 26 5% |
| Weight (kg/m3) | | 306.5 |
| Weight (g/m2) | +/- | 1440 50 |
| Construction | | Textron Paper Latex Rubber Hessian |
| Packaging | | Blue Plastic |

PERFORMANCE CHARACTERISTICS (Requirements)

| | |
|--|---|
| BREAKING FORCE: AS2001.2.3-1988, which states that breaking strength is not less than 50N. | 4.7mm Double Sided 'Conforms' to standard Length: 621N Width: 595N |
| EXTENSION UNDER FORCE: AS4288-2003 which states that Extension is not to be greater than 20% when a force of 40N is applied. | 'Conforms' to standard Length:1.1% Width:0.8% |
| (a)LOSS OF THICKNESS ON TATIC LOADING–LongTerm AS2111.14:1996 which states that thickness loss after static loading must not exceed15% of original thickness. (b)LOSS OF THICKNESS ON DYNAMIC LOADING AS2111.2:1996 which states that thickness after1000cycles must not exceed15% of original thickness. | 'Conforms' to standard (a) 6.3% 'Conforms' to standard (b) 6.7% |
| WORK OF COMPRESSION AS4288-2003 Appendix A which states that work of compression after dynamic loading must not be less than 50J/m2 and no higher than 200J/m2 and must retain at least 40% of its original work of compression. | 'Conforms' to standard Retention: 86% |
| RESISTANCE TO BREAKING & CRACKING AS4288 Appendix B which states that cracks no longer than 50mm in length and no cracks in any backing material. | 'Conforms' to standard No cracks or breaks |
| MEAN DEFLECTION @100Kpa AFTER DYNAMIC LOADING AS4288-2003 Appendix A which states that no less than1.5mm and not more than 9mm deflection be exceeded. | 'Conforms' to standard 2.4mm |
| THICKNESS DEVIATION AS2111.1-1978 @ 2Kpa which states no deviation greater than +/-12%. | 'Conforms' to standard 0.3%variation |
| ACOUSTIC DB RATING. NB: Excluding the Subfloor Impact Isolation Class (IIC rating) Underlay only: 26dB With Commercial Broadloom Carpet: 38dB | 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 – Hessian

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

Advantages

Simlay Plus 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. Up to 50% increase in carpet life compared with conventional & direct-stick methods. Anti-microbial. Anti-allergenic.

Packaging

Blue bag 10 m x 1.83m 26.3+/-1.0kg/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.



3 STEP TOTAL FLOORING SYSTEMS



Giltgrip® Bettalay

Giltgrip® Bettalay is a 6.5mm thick premium grade SBR rubber double bond underlay for use in heavy contract commercial environments and high traffic areas including healthcare, aged care, hospitality, offices and apartments.



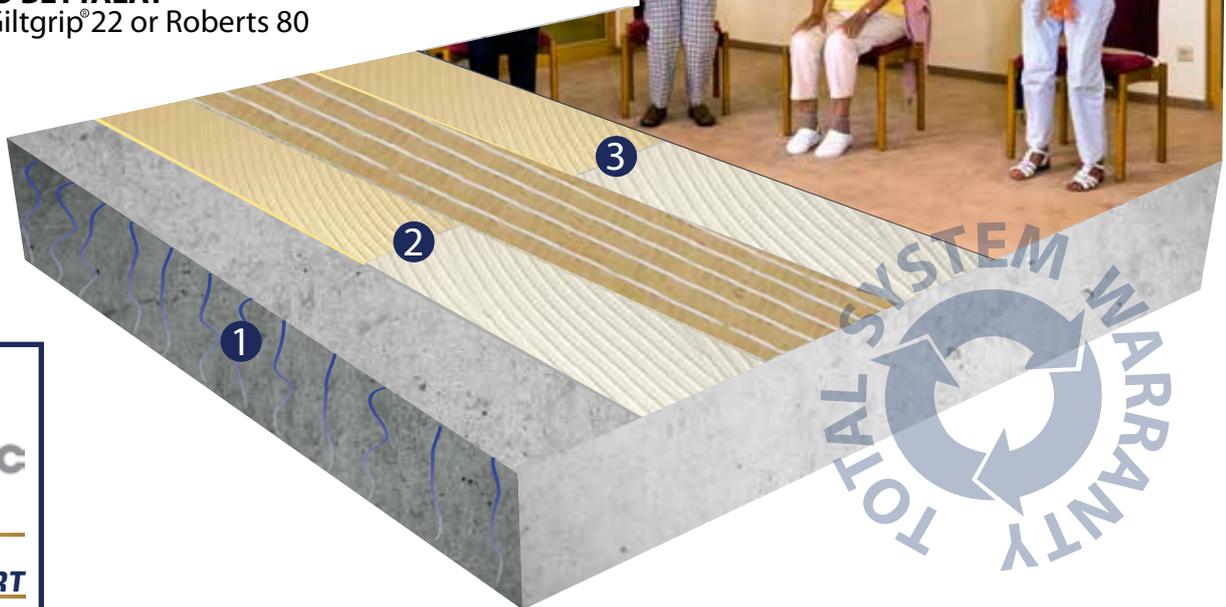
Greenwich Gardens, Albany

3 Step Total Flooring System Installation

- 1 CONCRETE TREATMENT**
Concrete Slab Treated with Protect Crete X200 Densi-Proof (at time of pour) to cure, densify, protect and moisture control
- 2 BETTALAY GLUED TO SUBFLOOR**
Carpet Adhesive: Giltgrip®22 or Roberts 80
or Pressure Sensitive Adhesive: Giltgrip®66 or Polymer 999
- 3 CARPET GLUED TO BETTALAY**
Carpet Adhesive: Giltgrip®22 or Roberts 80



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Giltgrip Bettalay Specialised Flooring Underlay System

Usage: For double-stick installation in commercial areas where a greater level of staff and client comfort is needed.

TECHNICAL DETAILS

| Specifications | | Double Sided Textron Paper/Woven polypropylene (Action Back) 6.5mm RULBETT |
|------------------|-----|---|
| Product Code | | |
| Gauge (mm) | +/- | 6.5 0.7 |
| Roll Width (mm) | | 1830 |
| Roll length (m) | | 10 |
| Roll Weight (kg) | +/- | 28.0 5% |
| Weight (kg/m3) | | 238.5 |
| Weight (g/m2) | +/- | 1550 50 |
| Construction | | Textron Paper Latex Rubber Woven polypropylene (Action Back) |
| Packaging | | White Plastic |

PERFORMANCE CHARACTERISTICS (Requirements)

| | 6.5mm Double Sided |
|--|--|
| BREAKING FORCE: A.S.2001.2.3-1988, which states that breaking strength, is not less than 50N. | Complies Length:838N Width:509N |
| EXTENSION UNDER FORCE: AS4288-2003 which states that Extension is not to be greater than 20% when a force of 40N is applied. | Complies Length:1.0% Width:1.2% |
| a)LOSS OF THICKNESS ON STATIC LOADING – Long Term AS2111.14-1996 which states that thickness loss after static loading must not exceed 15% of original thickness. b)LOSS OF THICKNESS ON DYNAMIC LOADING AS2111.2-1996 which states that thickness after 1000 cycles must not exceed 15% of original thickness. | 'Conforms' to standard (a)11.3% 'Conforms' to standard (b)7.7% |
| WORK OF COMPRESSION AS4288-2003 Appendix A which states that work of compression after dynamic loading must not be less than 50J/m2 and no higher than 200J/m2 and must retain at least 40% of its original work of compression. | Complies Retention: 57% |
| RESISTANCE TO BREAKING & CRACKING AS4288-2003 Appendix B which states that cracks no longer than 50mm in length and no cracks in any backing material. | Complies |
| MEAN DEFLECTION @ 100Kpa AFTER DYNAMIC LOADING AS4288-2003 Appendix A which states that no less than 1.5mm and not more than 9mm deflection be exceeded. | Complies 8mm |
| THICKNESS DEVIATION A.S./NZS.2111.1-1996 @ 2Kpa which states no deviation greater than +/-12%. | Complies |
| 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, Giltgrip22, Roberts 80
 Carpet to Underlay: Giltgrip 22, Roberts 80

Advantages

Bettalay 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. Up to 50% increase in carpet life compared with conventional & direct-stick methods. Anti-microbial. Anti-allergenic.

Packaging

White bag 10m x 1.83m 27.0+/-1.6kg/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.

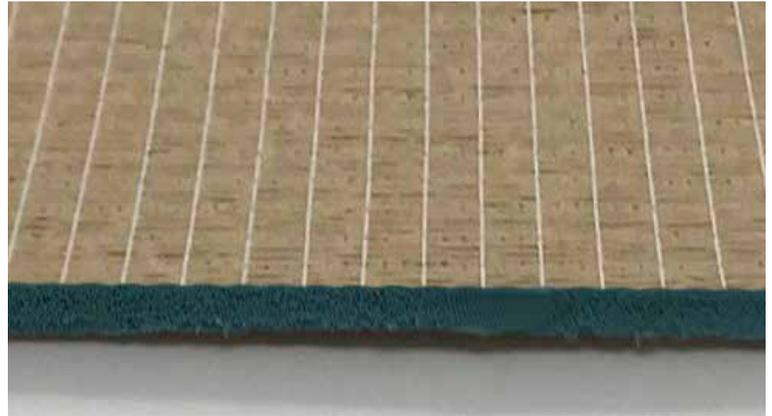


3 STEP TOTAL FLOORING SYSTEMS



Giltgrip® Sportsmat

Giltgrip® Sportsmat is an 8mm thick specialised premium grade SBR rubber double bond underlay, for use in extra heavy contract commercial environments that require high levels of impact absorption/comfort, including sports facilities and high end commercial installations.



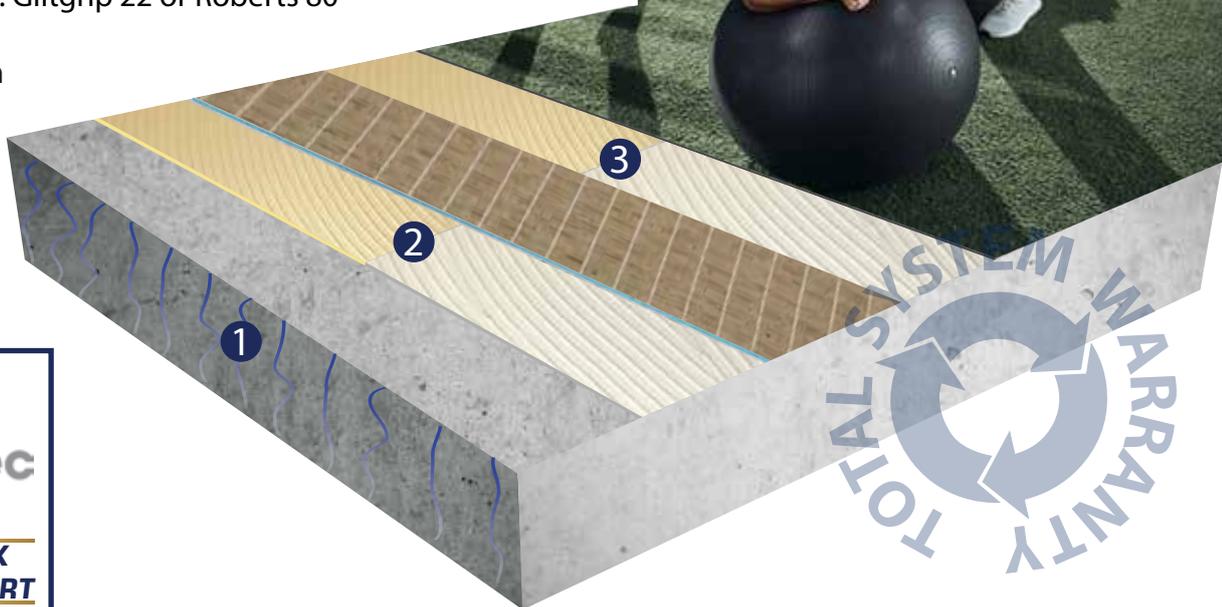
Les Mills Gymnasium, Auckland

3 Step Total Flooring System Installation

- 1 CONCRETE TREATMENT**
Concrete Slab Treated with Protect Crete X200 Densi-Proof (at time of pour) to cure, densify, protect and moisture control
- 2 SPORTSMAT GLUED TO SUBFLOOR**
Carpet Adhesive: Giltgrip®22 or Roberts 80
or Pressure Sensitive Adhesive: Giltgrip®66 or Polymer 999
- 3 CARPET GLUED TO SPORTSMAT**
Carpet Adhesive: Giltgrip®22 or Roberts 80



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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.



3 STEP TOTAL FLOORING SYSTEMS



Giltgrip® Supportapad

Giltgrip® Supportapad is a 3.4mm thick premium grade SBR rubber double bond underlay for use in heavy duty contract commercial installation under carpet tiles to provide protection and enhance the appearance of the modules. It provides some level of additional comfort while exhibiting a low deflection under vertical forces.

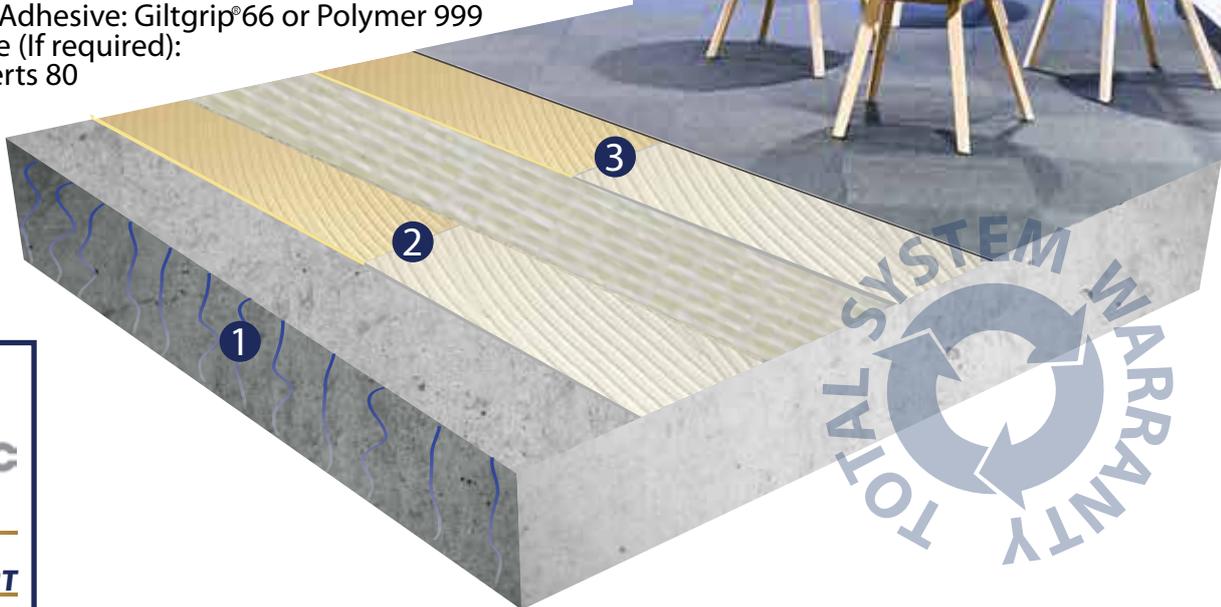


3 Step Total Flooring System Installation

- 1 CONCRETE TREATMENT**
Concrete Slab Treated with Protect Crete X200 Densi-Proof (at time of pour) to cure, densify, protect and moisture control
- 2 SUPPORTAPAD GLUED TO SUBFLOOR**
Carpet Adhesive: Giltgrip®22 or Roberts 80
or Pressure Sensitive Adhesive: Giltgrip®66 or Polymer 999
- 3 CARPET TILES GLUED TO SUPPORTAPAD**
Pressure Sensitive Adhesive: Giltgrip®66 or Polymer 999
Or Carpet Adhesive (If required):
Giltgrip®22 or Roberts 80



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Giltgrip Supportapad Specialised Flooring Underlay System

Usage: Giltgrip Supportapad is a latex rubber sponge underlay designed for double bond installation of carpet tiles. Manufactured to the requirements of -AS 4288-2003 Underlays for Textile Floor Coverings.

TECHNICAL DETAILS –Giltgrip Supportapad

| Specification | |
|------------------|---|
| Product Code | Double Sided Stitchbond Polyester/ Woven polypropylene (Action Back) 3.4mm RULGGSP |
| Gauge (mm) | 3.4 +/- 0.3 |
| Roll Width (mm) | 2000 |
| Roll length (m) | 10 |
| Roll Weight (kg) | 22.5 |
| Weight (g/m2) | 1100 +/- 50 |
| Construction | Stitchbond Polyester Latex Rubber Woven polypropylene (Action Back) |
| Packaging | Clear Plastic |

PERFORMANCE CHARACTERISTICS (Requirements)

| | 3.4mm Double Sided |
|--|---|
| BREAKING FORCE: A.S.2001.2.3-1988, which states that breaking strength, is not less than 50N. | Complies Length: 621N Width: 595N |
| EXTENSION UNDER FORCE: AS 4288-2003 which states that Extension is not to be greater than 20% when a force of 40N is applied. | Complies Length: 1.0% Width: 1.2% |
| (a)LOSS OF THICKNESS ON STATIC LOADING – Long Term AS 2111.14-1996 which states that thickness loss after static loading must not exceed 15% of original thickness. (b)LOSS OF THICKNESS ON DYNAMIC LOADING AS 2111.2-1996 which states that thickness after 1000 cycles must not exceed 15% of original thickness. | 'Conforms' to standard (a) 8.8% 'Conforms' to standard (b) 7.0 % |
| WORK OF COMPRESSION AS 4288-2003 Appendix A which states that work of compression after dynamic loading must not be less than 50J/m2 and no higher than 200J/m2 and must retain at least 40% of its original work of compression. | Complies Retention: 86% |
| RESISTANCE TO BREAKING & CRACKING AS 4288-2003 Appendix B which states that cracks no longer than 50mm in length and no cracks in any backing material. | Complies |
| MEAN DEFLECTION @ 100Kpa AFTER DYNAMIC LOADING AS 4288-2003 Appendix A which states that no less than 1.5mm and not more than 9mm deflection be exceeded. | Complies 2mm |
| THICKNESS DEVIATION A.S./NZS.2111.1-1996 @ 2Kpa which states no deviation greater than +/- 12%. | Complies |
| ACOUSTIC DB RATING. NB: Excluding the Subfloor Impact Isolation Class (IIC rating) Underlay only: 20dB With Commercial Carpet Tile: 34dB | Reduction of impact sound pressure level according to ISO 10140-3/ ISO 717-2 Impact Sound Reduction (Delta Lw) |

Backing Material: Topside - Stitch bonded polyester **Downside** – Woven polypropylene (Action Back)

Adhesives: Underlay to Floor: Carpet Adhesive: Giltgrip 22 or Roberts 80 or Pressure Sensitive Adhesive: Giltgrip 66 or Polymer 999

Carpet Tile to Underlay: Pressure Sensitive Adhesive: Giltgrip 66 or Polymer 999 Or Carpet Adhesive (If required):
 Giltgrip 22 or Roberts 80