



PRO SC™ MAT

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRO SC™ MAT is a superior-quality sound control mat, made from recycled rubber, that is used to reduce sound transmission in residential, commercial, and institutional environments, such as multi-family housing, residential high-rise buildings, commercial office space, etc. PRO SC™ MAT can be used under ceramic tile, porcelain, natural stone, wood, and resilient floor coverings.

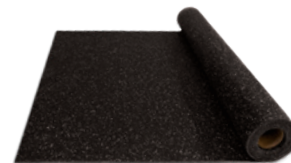
Features

- ♦ Use under flooring to reduce the transmission of sound
- ♦ Contains over 94% recycled rubber
- ♦ Best vibration isolation material
- ♦ Combine with other PROMA products that have high recycled content, such as PRO BLOCK™ MMS ECO moisture barrier, PRO COMPLETE™ SET ECO thin-set mortar, and PRO GROUT™ XTREME grout, for a more environmentally-friendly and sustainable solution
- ♦ Qualifies as part of PROMA's LIMITED WARRANTY PROGRAM up to a LIFETIME (contact PROMA for details)
- ♦ Use under ceramic tile, porcelain, natural stone, hardwood, engineered wood plank, acrylic-impregnated wood, laminate flooring, commercial carpet, vinyl-backed carpet and rubber tiles, luxury vinyl plank (LVP), luxury vinyl tile (LVT), vinyl composition tile (VCT), PVC and fiberglass-reinforced tile, solid vinyl tile and plank, fiberglass-backed flooring, homogeneous PVC, rubber or vinyl-backed resilient flooring
- ♦ Compatible with PROMA high-performance polymer modified thin-set mortars such as PRO HPX®, PRO P-151™ SERIES and PRO COMPLETE™ SET ECO; and floor covering adhesives, such as PRO 8010™, PRO 6350™ and PRO 9950™
- ♦ Isolates shrinkage cracks, in plane, up to 10 mm (3/8") wide
- ♦ For interior institutional, commercial, and residential applications
- ♦ Mold, mildew, bacteria, fungi, and water resistant
- ♦ Exceeds pass criteria for point load test for crack isolation membrane (ANSI A118.12)
- ♦ Meets or exceeds ASTM C627 requirements from Light Commercial to Extra Heavy Commercial
- ♦ Meets requirements for VOC emissions (IAQ test, ASTM D5116)
- ♦ Floorscore® certified
- ♦ Contains Recycled Materials (94% Post-Consumer) – Exceeds LEED® and WELL® objectives and requirements

Packaging	Product Code
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SC MAT-02 : 2 mm (5/64"); 1.22 x 22.86 m (4' x 75') roll	70011
SC MAT-05 : 5 mm (3/16"); 1.22 x 9.14 m (4' x 30') roll	70021
SC MAT-10* : 10 mm (3/8"); 1.22 x 4.57 m (4' x 15') roll	70041
SC MAT-12* : 12 mm (1/2"); 1.22 x 3.81 m (4' x 12.5') roll	70046
SC MAT-15* † : 15 mm (9/16"); 0.76 x 1.22 m (2.5' x 4') sheets	70047

*Special order only (14-21 days lead time)
 † Only available in sheets.



Suitable Substrates

- ♦ Dry, completely cured concrete (at least 28 days old)
- ♦ Cement backer units (CBU)
- ♦ Cement patching and leveling compounds
- ♦ Gypsum underlayments*
- ♦ Wood, such as APA grade plywood
- ♦ Cement terrazzo

* SEE LIMITATIONS

Limitations

- ♦ Do not use as sole floor covering, or as an exposed surfacing material. Must be covered with suitable flooring material.
- ♦ Do not use for roofing.
- ♦ Do not use for exterior surfaces
- ♦ Do not use on vertical surfaces
- ♦ Should not be left exposed as a resurfacing material.
- ♦ Areas to receive PRO SC™ MAT should be weather tight and maintained, at minimum, a constant room temperature between 10°C - 35°C (50°F - 95°F) for 48 hours before, during, and after installation.
- ♦ Do not install over concrete with a moisture vapor emission rate greater than 2.27 kg per 93 m² (5 lb per 1,000 sq. ft.) per 24 hours (ASTM F1869) and relative humidity conditions exceeding 85% (per ASTM F2170).
- ♦ Do not use directly over gypsum-based leveling and patching compounds, laminated fiberglass, metal, residual carpet adhesive or cut-back adhesive residue.
- ♦ Do not use premixed products such as Mastics to set tiles over PRO SC™ MAT.
- ♦ Do not use where high moisture and hydrostatic conditions and/or recurring moisture problems exist.
- ♦ Do not use for bridging cracks greater than 3/8" (10 mm) wide. If so, fill cracks before application.
- ♦ Do not use over expansion and control joints.
- ♦ Gypsum underlayments must meet ASTM F2419 requirements and be well prepared and primed with PRO SUPERPRIME™ or PRO PRIME™ LP (see respective data sheet for details).
- ♦ PRO SC™ MAT will not protect tile or stone flooring from out of plane crack movement. Use only where in plane crack movement is expected, such as thermal expansion and shrinkage cracks.
- ♦ Do not use as a waterproofing membrane or for submerged applications.
- ♦ Do not apply self-leveling products over PRO SC™ MAT.



4. TECHNICAL DATA

NOTE: The technical data provided is averaged based on lab testing under controlled conditions (23° C [73° F] and 50% RH), done in accordance with standard industry testing methods (where applicable), and is subject to change without notice. Actual performance may vary depending on jobsite conditions and installation methods used. Please contact our technical services department for additional information.

PHYSICAL PROPERTIES @23° C [73° F] and 50% RH)							
ACOUSTICAL TESTING STANDARDS – WOOD STRUCTURES							
Test Report	Product	Finished Floor	Structure	Subfloor	Ceiling Type	STC Rating (ASTM E90)	IIC Rating (ASTM E492)
G0535.08	PRO SC™ MAT-02	Vinyl Plank	Open Web Truss	19 mm (3/4") Gypsum Underlayment, 19 mm (3/4") OSB	12 mm (1/2") RC Deluxe, 16 mm (5/8") Gypsum Board Type C	60	50
G0535.07	PRO SC™ MAT-02	Wood	Open Web Truss	19 mm (3/4") Gypsum Underlayment, 19 mm (3/4") OSB	12 mm (1/2") RC Deluxe, 16 mm (5/8") Gypsum Board Type C	61	50
G0535.01	PRO SC™ MAT-02	Porcelain Tile	Open Web Truss	19 mm (3/4") Gypsum Underlayment, 19 mm (3/4") OSB	12 mm (1/2") RC Deluxe, 16 mm (5/8") Gypsum Board Type C	62	51
F4832.18	PRO SC™ MAT-02	Porcelain Tile	Engineered Joist	12 mm (1/2") Plywood, 19 mm (3/4") OSB	GenieClip RST, 2x 16 mm (5/8") Gypsum Board Type C	59	55
F5500.03	PRO SC™ MAT-02	Vinyl Plank	Engineered Joist	12 mm (1/2") Plywood, 19 mm (3/4") OSB	GenieClip RST, 2x 16 mm (5/8") Gypsum Board Type C	61	60
F4832.14	PRO SC™ MAT-02	Wood	Engineered Joist	12 mm (1/2") Plywood, 19 mm (3/4") OSB	GenieClip RST, 2x 16 mm (5/8") Gypsum Board Type C	58	61
F2761.08	PRO SC™ MAT-02	Wood	CLT	None	GenieClip RST, 2x 16 mm (5/8") Gypsum Board Type C	54	50
F2761.09	PRO SC™ MAT-12	Porcelain Tile	CLT	None	GenieClip RST, 2x 16 mm (5/8") Gypsum Board Type C	55	51
E5958.07	PRO SC™ MAT-05	Vinyl Plank	CLT	None	30 cm (12") Wire Suspended, GenieClip LB, 16 mm (5/8") Gypsum Board Type C	58	58
5013143 7013216	PRO SC™ MAT-02	Vinyl Plank	2 x 10 Solid Wood Joist	16 mm (5/8") Plywood, 12 mm (1/2") Plywood	GenieClip LB, 12 mm (1/2") Gypsum Board Type C	55	50
5013136 7013208	PRO SC™ MAT-02	Ceramic Tile	2 x 10 Solid Wood Joist	16 mm (5/8") Plywood, 12 mm (1/2") Plywood	GenieClip LB, 12 mm (1/2") Gypsum Board Type C	58	52
ACOUSTICAL TESTING STANDARDS – CONCRETE AND STEEL STRUCTURES							
Test Report	Product	Finished Floor	Structure	Subfloor	Ceiling Type	STC Rating (ASTM E90)	IIC Rating (ASTM E492)
G9222.01	PRO SC™ MAT-02	Vinyl Plank	20 cm (8") Concrete Slab	None	None	55	43
G9222.04	PRO SC™ MAT-12	Vinyl Plank	20 cm (8") Concrete Slab	None	None	57	53
E8741.01	PRO SC™ MAT-05	Ceramic Tile	20 cm (8") Concrete Slab	None	None	57	55
F8530.06	PRO SC™ MAT-05	Wood	20 cm (8") Concrete Slab	None	None	55	56
E2783.02	PRO SC™ MAT-02	Porcelain Tile	20 cm (8") Concrete Slab	None	None	54	50
F9365.09	PRO SC™ MAT-02	Vinyl Plank	20 cm (8") Concrete Slab	None	None	51	52
G2953.07	PRO SC™ MAT-05	Wood	20 cm (8") Concrete Slab	None	None	52	53
F0223.10	PRO SC™ MAT-12	Porcelain Tile	20 cm (8") Hollow Core Plank	None	None	54	51
F0223.04	PRO SC™ MAT-05	Vinyl Plank	20 cm (8") Hollow Core Plank	None	None	53	52
G3991.07	PRO SC™ MAT-02	Porcelain Tile	14 cm (5 1/2") Trapezoidal Steel Deck	None	GenieClip RST 16 mm (5/8") Gypsum Board Type C	56	51
G3991.17	PRO SC™ MAT-02	Wood	14 cm (5 1/2") Trapezoidal Steel Deck	None	Furring Channel	53	52
F9365.02	PRO SC™ MAT-05	Porcelain Tile	10 cm (4") Trapezoidal Steel Deck	None	GenieClip RST 2x 16 mm (5/8") Gypsum Board Type C	58	51
F5689.07	PRO SC™ MAT-02	Vinyl Plank	10 cm (4") Trapezoidal Steel Deck	None	GenieClip RST 16 mm (5/8") Gypsum Board Type C	54	54
F5689.06	PRO SC™ MAT-05	Wood	10 cm (4") Trapezoidal Steel Deck	None	GenieClip RST 16 mm (5/8") Gypsum Board Type C	55	54
F5689.18	PRO SC™ MAT-12	Porcelain Tile	25 cm (10") Steel Joist	19 mm (3/4") Structural Concrete Panels	GenieClip RST 2x 16 mm (5/8") Gypsum Board Type C	62	50
F5689.20	PRO SC™ MAT-02	Vinyl Plank	25 cm (10") Steel Joist	19 mm (3/4") Structural Concrete Panels	GenieClip RST 2x 16 mm (5/8") Gypsum Board Type C	60	52
F5689.21	PRO SC™ MAT-02	Wood	25 cm (10") Steel Joist	19 mm (3/4") Structural Concrete Panels	GenieClip RST 2x 16 mm (5/8") Gypsum Board Type C	60	53
F3052.15	PRO SC™ MAT-10	Porcelain Tile	40 cm (16") Insulated Concrete Form	None	12 mm (1/2") Gypsum Board Type C	56	51
F3052.14	PRO SC™ MAT-15	Wood	40 cm (16") Insulated Concrete Form	None	12 mm (1/2") Gypsum Board Type C	54	53

PHYSICAL PROPERTIES @23° C [73° F] and 50% RH)

Product	Roll Size	Average Dynamic Stiffness (BS EN 29052)	Type A Hardness (ASTM D2240)	TCNA Robinson Test with Tile (ASTM C627)
PRO SC™ MAT-02	2 mm (5/64"); 1.22 x 22.86 m (4' x 75') roll	157 MN/m³	40 durometer	Extra heavy commercial
PRO SC™ MAT-05	5 mm (3/16"); 1.22 x 9.14 m (4' x 30') roll	105 MN/m³	40 durometer	Moderate commercial
PRO SC™ MAT-10	10 mm (3/8"); 1.22 x 4.57 m (4' x 15') roll	64 MN/m³	40 durometer	Light commercial
PRO SC™ MAT-12	12 mm (1/2"); 1.22 x 3.81 m (4' x 12.5') roll	60 MN/m³	40 durometer	Light commercial
PRO SC™ MAT-15	15 mm (9/16"); 0.76 x 1.22 m (2.5' x 4') sheets	54 MN/m³	40 durometer	Light commercial

5. INSTALLATION

Surface Preparation

Note: Follow the subfloor requirements and preparation recommendations determined by the flooring manufacturer. Use the following subfloor requirements and preparation guidelines only when no such recommendations exist for the floor finishing product.

- ♦ All supporting surfaces must be structurally sound, solid and stable.
- ♦ Subfloor should be smooth to prevent irregularities, roughness, or other defects from affecting the material above it. The surface should be flat to the equivalent of 5 mm (3/16") in 3 m (10') as described in ACI 117R, or as recommended by the floor manufacturer.
- ♦ Surfaces must be clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, form release agent or any deleterious substance.
- ♦ Acids, concentrated alkaline conditions and cleaning chemical residues must be neutralized or removed.
- ♦ All concrete substrates must be completely cured (at least 28 days old), solid, sound, slightly textured and have a direct tensile cohesive strength greater than 1.2 MPa (175 psi) when tested in accordance with ACI 503 R – (Appendix A) procedure.
- ♦ All concrete substrates must be level; grind high spots until level and fill low spots with an approved leveling compound, such as PRO PLAN™ CG.
- ♦ On grade or below grade concrete slabs must be installed over an effective vapor barrier.
- ♦ All concrete substrates must be dry and free of hydrostatic conditions and/or extreme moisture problems. Perform a calcium chloride moisture emission test (ASTM F-1869) on the concrete substrate before proceeding with the installation of the floor. For wood flooring and resilient floor covering installations, the moisture vapor emission of the concrete must not exceed 2.27 kg per 93 m² (5 lb per 1,000 sq. ft.) per 24 hours. Do not prime, repair, level or patch the substrate, or install any floor covering materials until moisture problems and conditions have been addressed to meet these requirements. **Please contact our Technical Service Department for appropriate recommendations.**
- ♦ Any concrete subfloor can be a source of moisture-related flooring failures. It is the installer's responsibility to test the concrete or other cement-like material for moisture.
- ♦ Existing Gypsum and light-weight concrete surfaces must be properly primed with PRO SUPERPRIME™ or PRO PRIME™ LP (3:1) when PRO SC™ MAT is installed with an adhesive, such as PRO SC™ MAT SET (see respective technical data sheet for details).
- ♦ Wood and OSB substrates must be solid and well-supported by joists spaced 40 cm (16") apart and should consist of two superimposed plywood sheet layers, each 16 mm (5/8") thick and set with a minimum of 3 mm (1/8") gap spacing between panels and 6 mm (1/4") gapping along the perimeter walls, around columns, posts, drains and pipe openings. The top underlayment plywood layer must be fastened with non-oxidizing floor screws at every 15 cm (6") along panel edges and each way throughout the panel at 20 cm (8") centers. Floor surfaces along adjacent edges of panels must not be more than 0.75 mm (1/32") above or below each other. **(Contact our Technical Service Department for appropriate flooring installation recommendations.)**
- ♦ Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. DO NOT use solvents.

Notes: Scrape off as much as possible of the old adhesives.

Do not use sweeping compounds when installed with an adhesive, such as PRO SC™ MAT SET (see respective technical data sheet for details). This could leave an oily film on the concrete surface that will prevent a proper adhesive bond.

Installation

Notes: Deliver the material to the job site in its original unopened packaging with all labels intact and stored appropriately to prevent damage. Inspect all material for visual defects before beginning the installation. The material and any adhesive must be acclimated at room temperature for a minimum of 24 hours before starting the installation. Roll material is stretched slightly when it is rolled at the factory. At the job site, the installer should allow all cuts to relax before gluing down. Shaking the material once it is unrolled can help it to relax more quickly.

1. Attach a perimeter isolation strip to the base of the perimeter wall of the entire subfloor, as well as the perimeter of any protrusions.
2. Unroll and place PRO SC™ MAT underlayment perpendicular to subsequent installation direction of finished floor.
3. Align lengthwise edges of underlayment with neighboring sheets by butting up or overlapping them.
4. Determine whether installation will be floating floor or glue-down and follow the corresponding instructions.

Note: All expansion and control joints must be carried through from substrate to final flooring and filled with an industry-approved flexible sealant. Do not fill or cover expansion and control joints with material. Contact PROMA's technical department for additional information.

FLOATING FLOOR INSTALLATION

1. Use duct tape or high-quality carpet tape to secure butt joints and seams, and prevent underlayment from moving.
2. Proceed to Finished Floor Installation.

GLUE-DOWN INSTALLATION

Note: Use PRO SC™ MAT SET adhesive for glue-down installations. When installing resilient floor coverings, such as vinyl flooring types and commercial carpet, the installation adhesives PRO 6350™ and PRO 8010™ can also be used to install PRO SC™ MAT. Similarly, when installing tile and stone, the following thin-set mortars can be used to install both the tile and stone and PRO SC™ MAT: PRO HPX™, PRO COMPLETE™ SET ECO, and the PRO P-151™ Series. (See respective technical data sheets for details.)

1. Using a notched trowel, apply adhesive or thin-set mortar evenly over the substrate, perpendicular to seam, while maintaining a 45-60° angle with the floor. Do not spread more adhesive or thin-set mortar than can be covered with PRO SC™ MAT sound control underlayment within 30 minutes.
2. Carefully set the PRO SC™ MAT sound control underlayment into wet adhesive or thin-set mortar while it is fresh. Do not allow the adhesive or thin-set mortar to skin-over or become dry before applying the underlayment.
3. Fold over second half of first sheet and first half of second sheet.
4. Periodically lift the sound control underlayment material and check back to ensure there is sufficient and proper adhesive contact.
5. Continue this process for each consecutive sheet.
6. Using the appropriate floor roller (75 lb to 100 lb minimum weight), roll back and forth and across to ensure proper transfer of adhesive.
7. Provide enough time to allow adhesive or thin-set mortar to set before installing finished floor.

FINISHED FLOORING INSTALLATION

1. Install all finished floors according to manufacturer's recommendations.
2. If installing a floating finished floor, interlock, or glue planks together without gluing the planks to the underlayment.
3. If the manufacturer recommends installation of plywood or cement board between the underlayment and finished floor, adhere the board to the underlayment. Contact our Technical Service Department for appropriate recommendations.
4. DO NOT nail or screw through the underlayment.

Protection

Protect from light traffic for 24 hours and install finished flooring after 24 hours for glue-down installations.

Health and Safety

Refer to the Safety Data Sheet (SDS) for complete details.

6. AVAILABILITY AND COST

PROMA products are widely available in Canada and the Northeast United States. To find a distributor of PROMA products, call **toll-free: 1.866.51.PROMA (77662)**.

7. WARRANTY

PROMA warrants that this product is manufactured using quality raw materials and is of merchantable quality and suitable for the purpose for which it was intended. PROMA's liability under this warranty shall be limited to the replacement of its product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use of/or the inability to use this product.

8. MAINTENANCE

Product requires no special maintenance. Do not leave without floor covering or exposed as a resurfacing material.

9. TECHNICAL SERVICE

For more detailed information on this product, please contact our technical department for proper recommendations and job field assistance. **Toll-free: 1.866.51.PROMA (77662)**.

10. FILING SYSTEM

Additional information is available upon request, or by visiting www.proma.ca.

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