



EarthSaver "Quiet Pad" Recycled Rubber Underlayment

PART 1.0 - GENERAL

1.1 SUMMARY

- A. The work of this section includes:
 - 1. Recycled rubber Impact Sound Insulation to be placed under flooring
 - 2. Adhesives.

- B. Related Sections: Section(s) related to this section include:
 - 1. Concrete Substrate
 - 2. Plywood Substrate:
 - 3. Ceramic Tile
 - 4. Resilient Flooring
 - 5. Carpet Tile
 - 6. Wood Flooring
 - 7. Bamboo Flooring
 - 8. Noise Control and Vibration Isolation

1.2 REFERENCES

- A. Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated.
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM E492 Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine.
 - 2. ASTM E989-89 (re-approved 1999) Standard Classification for Determination of Impact Isolation Class (IIC).
- C. Leadership in Energy and Environmental Design - LEED®
 - 1. International Organization for Standardization® document, ISO 14021 – Provides guidance on the terminology, symbols, testing and verification methodologies that an organization should use for self- declaration of the environmental aspects of its products and services.

1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: provide recycled rubber resilient flooring, which has been manufactured and installed to maintain performance criteria stated by manufacturer..

1.4 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. LEED: Provide documentation of how the requirements for credit will be met.
 - 1. List of proposed materials with recycled content. Indicate pre-consumer and post-consumer content.
 - 2. Product data and certification letter indicating percentage of recycled content for both pre-consumer and post-consumer content.
 - 3. Recycled content is defined in accordance with the International Organization for Standardization document, ISO 14021 Environmental labels and declarations.
 - a. Post-consumer material – waste materials diverted from the waste stream after consumer or commercial use.
 - b. Pre-consumer material – materials diverted from the waste stream during the manufacturing process. Excluded are regrind, rework, and scrap.
- C. Product Data: Submit product data, including manufacturer's guide specifications product sheet, for specified products.
- D. Samples: Submit samples for finishes.
- E. Quality Assurance Submittals: Submit the following:
 - 1. Manufacturer's Instructions: Manufacturer's installation instructions.
- F. Closeout Submittals: Submit the following:
 - 1. Warranty: Warranty documents.



1.5 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
 - a. Certificate: When required, submit certificate indicating qualification.
 - 2. Manufacturer's Qualifications: Manufacturer capable of providing field service representation during construction and approving application method.

1.6 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirements Sections.
- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Storage and Protection: Store materials at temperature and humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.

1.7 PROJECT CONDITIONS

- A. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

Specifier Note: Coordinate article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section.

1.8 WARRANTY

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to and not a limitation of, other rights Owner may have under Contract Documents.

Specifier Note: Coordinate paragraph below with manufacturer's warranty requirements.

- 1. Warranty Period: 20 Years commencing in Date of Substantial Completion.

PART 2.0 – MANUFACTURER/PRODUCTS

2.1 MANUFACTURER: EarthSaver Specialty Flooring

- A. Address: 321 So. Main Street, PMB# 536, Sebastopol, CA 95472; Telephone (707) 823-4455; Fax (707) 823-1174; Email: info@earthsaverfloors.com

2.2 PRODUCT(S)

- A. Recycled Rubber Resilient Flooring manufactured by EarthSaver Specialty Flooring for indoor/outdoor commercial applications.
 - 1. "Quiet Pad" rebonded recycled rubber impact sound insulation to be used in conjunction with engineered wood flooring, bamboo flooring, ceramic tile, resilient tile/plank, and carpet tile.

2.3 RECYCLED RUBBER RESILIENT [sheet] IMPACT SOUND INSULATION UNDERLAYMENT

- A. Product Name: EarthSaver "Quiet Pad" Recycled Rubber Impact Sound Insulation Underlayment
- B. Material: Made from 100% recycled SBR (Styrene-Butadiene Rubber) used tire rubber.
- C. Sheet Dimension: EarthSaver "Quiet Pad" rolled rubber underlayment will have an overall thickness of 2mm (standard in 4' by 50' [1.2 m by 15.24 m] roll size
- D. Sheet Weight: 0.74 lb/ft² [3.6 kg/m²]



EarthSaver “Quiet Pad”

75 sf: 2mm by 30” wide by 30’ long, 30lb per roll

Item	Test	Standard	Rating
8” concrete with Hardwood in Field	FIIC	ASTM E1007 and E989	63
6” concrete in Lab	IIC	ASTM E492 and E989	51
6” concrete in Lab	STC	ASTM E90 and E413	54
6” concrete with Hardwood in Lab	Delta IIC	ASTM E2179	21
6” concrete with Laminate in Field	FIIC (Field Impact Sound Transmission)	ASTM E1007 and E989	Pending
6” concrete with Laminate in Field	FSTC (Field Sound Transmission Loss)	ASTM E336 and E413	Pending
Density	Per Cubic Foot	ASTM 3574	49.3
Compression Resistance	@25% (CFD)	ASTM D3574	65.0
Compression Set	@25%	ASTM D3574 at 78 degrees for 22 hours (%)	14
Flammability	Pill Test	CPSC Std. FF 1-70	Passed
R-Value	Resistance	ASTM C518	0.14

2.3.2 SINGLE COMPONENT POLYURETHANE ADHESIVE

PART 3.0 – EXECUTION

3.1 MANUFACTURER’S INSTRUCTIONS

- A. Compliance: Comply with manufacturer’s product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.2 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer’s instruction.

3.3 PREPARATION

- A. Surface Preparation:

Specifier Note: Coordinate article below with manufacturer’s recommended installation details and requirements.

3.4 ERECTION/INSTALLATION/APPLICATION/CONSTRUCTION

- A. Recycled Rubber Flooring Installation: Comply with manufacturer’s Technical Manual for installation procedures and techniques for recycled rubber resilient flooring installation.

END OF SECTION