

PRODUCT DATA SHEET

The **SILENT Series** is a high-performance underlayment made from recycled rubber, designed for use under ceramic tile, wood, vinyl, and carpet. It is specifically engineered to reduce impact noise transmission in floor-ceiling assemblies. Tested to meet commercial standards (Robinson test), certified FloorScore® for indoor air quality, and made in Canada.

The **SILENT Series** acoustic underlayment is made from over 94% recycled rubber, primarily sourced from car and truck tires. It meets low-VOC emission standards and is eligible for LEED® credits. A durable solution for projects focused on environmental responsibility and acoustic comfort.

APPLICATIONS

- Condominiums and multi-residential buildings
- Hotels and residential complexes
- Multi-storey commercial spaces
- Ceramic and natural stone flooring
- Engineered wood, hardwood, and vinyl flooring
- Carpet and carpet tiles
- Renovation or new construction projects
- Traffic areas or training zones where acoustic comfort is desired

PRODUCT CODE: **SS-2**

Test / Standard	Result / Observations
Dimensions	4' x 75'
Area	300 ft²
Thickness	2 mm
Weight per roll	120 lb / 54,4 kg
Warranty	Limited Lifetime*
Rolls per pallet	16 rouleaux (4800 ft ²)
VOC Emissions (ASTM D5116 / FloorScore)	Compliant – FloorScore Certified
Dynamic Stiffness (BS EN 29052)	157 MN/m ³
Hardness (Type A – ASTM D2240)	50 ± 5 Shore A
Thermal Stability	-40 °C à +115 °C
Thermal Transmittance (U-Value)	11,76 BTU/hr.ft ² .°F (66,37 W/m ² .K)
Density	> 1000 kg/m ³ (> 62,43 lb/ft ³)

Limited Lifetime Warranty

The SILENT Series is backed by a limited lifetime warranty against manufacturing defects, such as hardening, cracking, or premature deterioration. This warranty applies only when the product is installed in accordance with our technical recommendations.

ACOUSTIC PERFORMANCE

Assembly	Flooring	IIC / STC	ΔIIC / HIIC
8 concrete slab"	Vinyl (glued)	IIC 52	ΔIIC 18 dB
6" concrete slab	Vinyl (glued)	IIC 54	—
6" concrete slab	Engineered wood (glued)	IIC 55 / STC 50	ΔIIC 25 dB
6" concrete slab	Ceramic 7 mm (glued)	IIC 50 / STC 53	ΔIIC 20 dB
8" concrete slab	Engineered wood (glued)	—	HIIC ≥ 55
6" concrete slab	Ceramic	—	HIIC ≥ 45
Wood joist floor (2x10) + OSB + drop ceiling	Vinyl (glued)	IIC 60	—
Wood joist floor (2x10) + OSB + drop ceiling	Ceramic	IIC 58	—
Wood joist floor (2x10) + OSB + drop ceiling	Engineered wood	IIC 55	—
CLT + drop ceiling (GenieClip + 5/8" gypsum)	Wood or vinyl	IIC 50–51	—

- **IIC** (Impact Insulation Class) : Measures the reduction of impact noise (e.g., footsteps, dropped objects).
- **STC** (Sound Transmission Class) : Measures the reduction of airborne sound transmission (e.g., voices, music).
- **ΔIIC** (Delta IIC) : Indicates the acoustic improvement provided by the underlayment when installed over a bare concrete slab.
- **HIIC** (High-Impact IIC) : A more recent metric for impact sound insulation, designed to better reflect perceived footstep noise in real-world building environments.



Note:

Performance may vary depending on slab thickness, ceiling type, adhesive, and floor covering.
All above data is based on actual test results using the SILENT Series 2mm underlayment.

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PRODUCT CODE: **SS-3**

Test / Standard	Result / Observations
Dimensions	4' x 50'
Area	200 ft²
Thickness	3 mm
Weight per roll	120 lb / 54,4 kg
Warranty	Limited Lifetime*
Rolls per pallet	16 rouleaux (3200 ft ²)
VOC Emissions (ASTM D5116 / FloorScore)	Compliant – FloorScore Certified
Dynamic Stiffness (BS EN 29052)	157 MN/m ³
Hardness (Type A – ASTM D2240)	50 ± 5 Shore A
Thermal Stability	-40 °C à +115 °C
Thermal Transmittance (U-Value)	11,76 BTU/hr.ft ² .°F (66,37 W/m ² .K)
Density	> 1000 kg/m ³ (> 62,43 lb/ft ³)

Limited Lifetime Warranty

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ACOUSTIC PERFORMANCE

Assembly	Flooring	IIC / STC	ΔIIC / HIIC
8" concrete slab (no ceiling)	Floating laminate	IIC 56	ΔIIC 23 dB
8" concrete slab	Vinyl (glued)	—	HIIC ≥ 58
8" concrete slab	Engineered wood (glued)	—	HIIC ≥ 55
6" concrete slab	Ceramic	—	HIIC ≥ 45
* 8" concrete slab	Vinyl (glued)	IIC 52	ΔIIC 18 dB
* 6" concrete slab	Vinyl (glued)	IIC 54	—
* 6" concrete slab	Engineered wood (glued)	IIC 55 / STC 50	ΔIIC 25 dB
* 6" concrete slab	7 mm ceramic (glued)	IIC 50 / STC 53	ΔIIC 20 dB
* Wood floor (2x10) + OSB + suspended ceiling	Vinyl (glued)	IIC 60	—
* Wood floor (2x10) + OSB + suspended ceiling	Ceramic	IIC 58	—
* Wood floor (2x10) + OSB + suspended ceiling	Engineered wood	IIC 55	—
* CLT + suspended ceiling (GenieClip + 5/8" gypsum)	Wood or vinyl	IIC 50-51	—

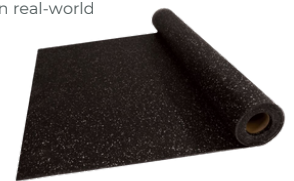
Note:

Performance may vary depending on slab thickness, ceiling construction, adhesive, and flooring type.

All data above is based on actual test results using the SILENT Series 3 mm underlayment. Configurations marked with an asterisk (*) were tested using the SILENT Series 2 mm underlayment.

For those specific configurations the 3 mm version provides equal or better acoustic performance in those same assemblies.

- **IIC** (Impact Insulation Class) : Measures the reduction of impact noise (e.g., footsteps, dropped objects).
- **STC** (Sound Transmission Class) : Measures the reduction of airborne sound transmission (e.g., voices, music).
- **ΔIIC** (Delta IIC) : Indicates the acoustic improvement provided by the underlayment when installed over a bare concrete slab.
- **HIIC** (High-Impact IIC) : A more recent metric for impact sound insulation, designed to better reflect perceived footstep noise in real-world building environments.



PRODUCT DATA SHEET

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PRODUCT CODE: **SS-5**

Test / Standard	Result / Observations
Dimensions	4' x 30'
Area	120 ft²
Thickness	5 mm
Weight per roll	120 lb / 54,4 kg
Warranty	Limited Lifetime*
Rolls per pallet	16 rouleaux (1920 ft ²)
VOC Emissions (ASTM D5116 / FloorScore)	Compliant – FloorScore Certified
Dynamic Stiffness (BS EN 29052)	157 MN/m ³
Hardness (Type A – ASTM D2240)	50 ± 5 Shore A
Thermal Stability	-40 °C à +115 °C
Thermal Transmittance (U-Value)	4,69 BTU/hr·ft ² ·°F (26,47 W/m ² ·K)
Density	> 1000 kg/m ³ (> 62,43 lb/ft ³)

Limited Lifetime Warranty

The SILENT Series is backed by a limited lifetime warranty against manufacturing defects, such as hardening, cracking, or premature deterioration. This warranty applies only when the product is installed in accordance with our technical recommendations.

ACOUSTIC PERFORMANCE

Assembly	Flooring	IIC / STC	ΔIIC / HIIC
6" concrete slab (no ceiling)	Céramique (12" x 12") collée	IIC 50	ΔIIC 20 dB
8" concrete slab	Vinyle (collé)	—	HIIC ≥ 62
8" concrete slab	Bois d'ingénierie (collé)	—	HIIC ≥ 59
8" concrete slab	Céramique (collée)	—	HIIC ≥ 51

- **IIC** (Impact Insulation Class) : Measures the reduction of impact noise (e.g., footsteps, dropped objects).
- **STC** (Sound Transmission Class) : Measures the reduction of airborne sound transmission (e.g., voices, music).
- **ΔIIC** (Delta IIC) : Indicates the acoustic improvement provided by the underlayment when installed over a bare concrete slab.
- **HIIC** (High-Impact IIC) : A more recent metric for impact sound insulation, designed to better reflect perceived footstep noise in real-world building environments.

Note:
Performance may vary depending on the thickness of the concrete slab, ceiling assembly, adhesive, and type of flooring.

All data above is based on actual test results using the SILENT Series 5 mm underlayment. Additional acoustic test results are available upon request.



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APPLICATIONS

- Condominiums and multi-residential buildings
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PRODUCT CODE: **SS-10**

Test / Standard	Result / Observations
Dimensions	4' x 15'
Area	60 ft²
Thickness	10 mm
Weight per roll	120 lb / 54,4 kg
Warranty	Limited Lifetime*
Rolls per pallet	16 rouleaux (960 ft ²)
VOC Emissions (ASTM D5116 / FloorScore)	Compliant – FloorScore Certified
Dynamic Stiffness (BS EN 29052)	64 MN/m ³
Hardness (Type A – ASTM D2240)	50 ± 5 Shore A
Thermal Stability	-40 °C à +115 °C
Thermal Transmittance (U-Value)	2,34 BTU/hr·pi ² ·°F (13,21 W/m ² ·K)
Density	> 1000 kg/m ³ (> 62,43 lb/ft ³)

Limited Lifetime Warranty

The SILENT Series is backed by a limited lifetime warranty against manufacturing defects, such as hardening, cracking, or premature deterioration. This warranty applies only when the product is installed in accordance with our technical recommendations.

ACOUSTIC PERFORMANCE

Assembly	Flooring	IIC / STC	ΔIIC / HIIC
6" concrete slab (no ceiling)	12" x 12" ceramic tile (glued)	IIC 50	ΔIIC 21 dB
8" concrete slab	Vinyl (glued)	—	HIIC ≥ 63
8" concrete slab	Engineered wood (glued)	—	HIIC ≥ 61
8" concrete slab	Ceramic tile (glued)	—	HIIC ≥ 53

- **IIC** (Impact Insulation Class) : Measures the reduction of impact noise (e.g., footsteps, dropped objects).
- **STC** (Sound Transmission Class) : Measures the reduction of airborne sound transmission (e.g., voices, music).
- **ΔIIC** (Delta IIC) : Indicates the acoustic improvement provided by the underlayment when installed over a bare concrete slab.
- **HIIC** (High-Impact IIC) : A more recent metric for impact sound insulation, designed to better reflect perceived footstep noise in real-world building environments.

Note:
Performance may vary depending on the thickness of the concrete slab, ceiling assembly, adhesive, and type of flooring.

All data above is based on actual test results using the SILENT Series 10 mm underlayment. Additional acoustic test results are available upon request.



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PRODUCT CODE: **SS-12**

Test / Standard	Result / Observations
Dimensions	4' x 12.5'
Area	50 ft²
Thickness	12 mm
Weight per roll	120 lb / 54,4 kg
Warranty	Limited Lifetime*
Rolls per pallet	16 rouleaux (800 ft ²)
VOC Emissions (ASTM D5116 / FloorScore)	Compliant – FloorScore Certified
Dynamic Stiffness (BS EN 29052)	60 MN/m ³
Hardness (Type A – ASTM D2240)	50 ± 5 Shore A
Thermal Stability	-40 °C à +115 °C
Thermal Transmittance (U-Value)	1,95 BTU/hr·ft ² ·°F (11,01 W/m ² ·K)
Density	> 1000 kg/m ³ (> 62,43 lb/ft ³)

Limited Lifetime Warranty

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ACOUSTIC PERFORMANCE

Assembly	Flooring	IIC / STC	ΔIIC / HIIC
6" concrete slab (no ceiling)	12" x 12" ceramic tile (glued)	IIC 50	ΔIIC 21 dB
8" concrete slab	Vinyl (glued)	—	HIIC ≥ 63
8" concrete slab	Engineered wood (glued)	—	HIIC ≥ 61
8" concrete slab	Ceramic tile (glued)	—	HIIC ≥ 53

- **IIC** (Impact Insulation Class) : Measures the reduction of impact noise (e.g., footsteps, dropped objects).
- **STC** (Sound Transmission Class) : Measures the reduction of airborne sound transmission (e.g., voices, music).
- **ΔIIC** (Delta IIC) : Indicates the acoustic improvement provided by the underlayment when installed over a bare concrete slab.
- **HIIC** (High-Impact IIC) : A more recent metric for impact sound insulation, designed to better reflect perceived footstep noise in real-world building environments.

Note:
Performance may vary depending on the thickness of the concrete slab, ceiling assembly, adhesive, and type of flooring.

All data above is based on actual test results using the SILENT Series 12 mm underlayment. Additional acoustic test results are available upon request.

