



SM12MM RUBBER UNDERLAYMENT

SYSTEM DATA SHEET

SM12MM RUBBER UNDERLAYMENT



IIC>76

STC>78

Produced from Recycled and Natural Materials.

Impact Noise Reduction.

High Durability and Long Term Resilience.

PRODUCT DESCRIPTION:

SM12mm Eco Sound Control is a 12mm rubber flooring underlayment engineered, manufactured and tested to reduce impact noise.

APPLICATION:

Apply resilient and hard surface floor coverings such as ceramic tile, stone, hardwood engineered, and hardwood for achieving a quieter environment.

FEATURES AND BENEFITS:

- ✓ Made from 100% recycled material.
- ✓ No VOCs are generated during manufacture.
- ✓ Free from lead, odor-producing oils and bitumen.
- ✓ Anti-microbial and moisture resistant.
- ✓ Will not break down or move under load.
- ✓ Easy to install and rolls out easily.
- ✓ Compatible with most floor finishes.

ACOUSTIC FEATURES:

- ✓ Increases IIC and STC ratings.
- ✓ Impede sound transfer through floor-ceiling assembly.

PACKAGING:

Dimension: 4' by 15' long = 60 Sq.Ft.
 Thickness: 12 mm
 Weight: 105 pounds/roll
 Roll Area: 60 Sq.Ft./ 6.7 Sq.Yd.
 Rolls/Pallet: 16 per pallet

AVAILABILITY OF TEST RESULTS AND RODUCTS

Available from our local C.A.C. GROUP INVESTMENTS LLC

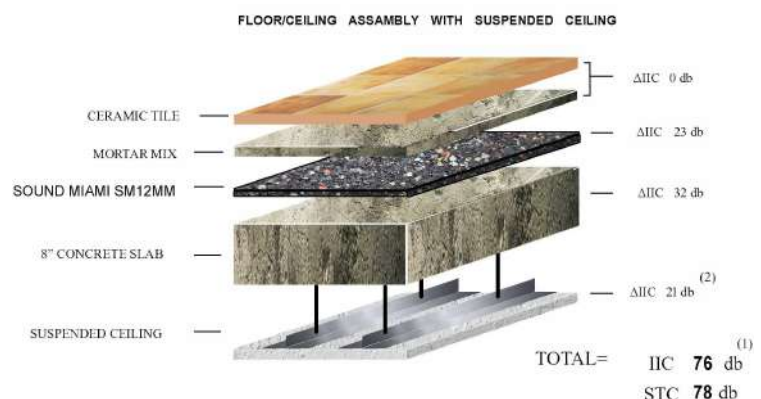
REQUIREMENT FLORIDA BUILDING

CHAPTER 12. Interior Environment

1207.2 Air-Borne Sound
 (STC) Sound Transmission Class of not less than 50, or not less than 45 if field tested. Floor/ceiling assemblies without suspended ceiling

1207.3 Structure-Borne Sound
 (IIC) Impact insulation Class rating of not less than 50, or not less than 45 if field tested. Floor/ceiling assemblies without suspended ceiling.

FLOOR/CEILING ASSEMBLIES:



NOTE

(1) Tests No NGC 7019171_R1 and No NGC 50191123 executed by NGC laboratory who is accredited by NVLAB

(2)Tests Ceiling No A-79307-0228 executed by NGC laboratory who is accredited by NVLAB



TECHNICAL DATA:

PROPERTY	TEST METHOD	TYPICAL RESULTS
Density	ASTM D297	0.72 g/cm ³ , min.
Thickness	ASTM D3676	12mm (0.472")
Elongation,	ASTM D412, Die C	60%, min
Tensile Strength,	ASTM D412, Die C	80 psi, min
Tear Strength,	ASTM D624, Die C	30 ppi, min.
Compression @ 100 psi	ASTM F36	15%, recovery 85%, min
Compression @ 50 psi	ASTM F36	20%, recovery 85%, min
Shore A Hardness	ASTM D2240	40
Flexibility	ASTM F147	1 factor, max.
Coefficient of Friction	ASTM D1894	1.2
Deflection, 158°/22 hrs	ASTM D395	40% max.
Crack Resistance	ANSI 118.12 5.4	High Performance

SOUND CONTROL: Our Rubber Underlayment has been tested by a certified independent acoustical laboratory in compliance with ASTM E492-9 (2016), ASTM E 989-6 (2012), ASTM E 90-09 and ASTM E 413-16. for our SM12MM, the test consisted of an 8" concrete slab floor-ceiling assembly overlaid ceramic tile over SM12MM

rubber underlayment **with suspended ceiling**. The test results have provided that flooring system has an Impact Insulation Class of an **IIC 76** and a Sound Transmission Class **STC 78**.

Remember, for any soundproofing flooring system work correctly is necessary install a perimeter isolation strip to prevent the flooring from touching the walls or any protrusions in the floor.

IIC, STC AND ΔIIC IN FLOOR/CEILING ASSEMBLIES (No suspended ceiling):

FLOOR/CEILING ASSEMBLIES				IIC ⁽¹⁾	ΔIIC	STC ⁽¹⁾
PRODUCT	FINISH FLOOR	SUPENDED CEILING	SLAB CONCRETE			
SM12MM	VINYL TILE	NO SUSPENDED CEILING	8"	66	23	66
			6"	61	23	63
	ING. WOOD		8"	62	23	64
			6"	57	23	59
	WOOD		8"	60	23	62
			6"	55	23	56
	PORCELAIN TILE		8"	57	23	59
			6"	54	23	56
	CERAMIC TILE		8"	55	23	57
			6"	55	23	56

NOTES:

The data noted is the result of statistical analysis based on our and third-party test reports. This results slight variations may occur when tested in the field.

(1) Result test for ASTM:

ASTM E 492-09, ASTM E 989-09, ASTM E 90-09, ASTM E 413-16