



SM05MM RUBBER UNDERLAYMENT

SYSTEM DATA SHEET

SM05MM Rubber Underlayment



IIC>73

STC>74

Produced from Recycled and Natural Materials.

Impact Noise Reduction.

High Durability and Long Term Resilience.

PRODUCT DESCRIPTION:

SM05mm Eco Sound Control is a 5mm rubber flooring underlayment engineered, manufactured, and tested to reduce impact noise.

APPLICATION

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

FEATURES AND BENEFITS:

- ✓ Made from 100% recycled material.
- ✓ VOC'S during manufacturing.
- ✓ 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.

REQUIREMENT FLORIDA BUILDING CODE

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.

ACOUSTIC FEATURES:

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

PACKAGING

Dimension: 4' wide, 30' long = 120'Sq. Ft

Thickness: 5mm Roll

Weight: 90 pounds/roll

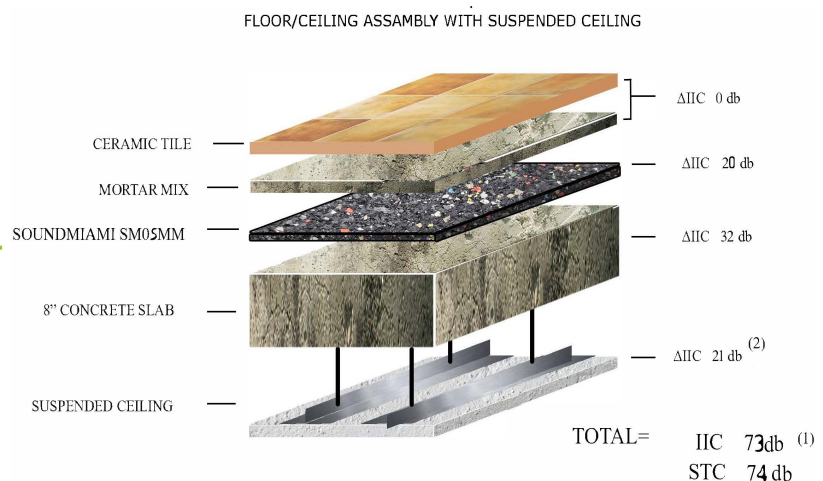
Roll Area: 120 square feet / 1.3 square yards

Rolls/Pallet: 16 per pallet

AVAILABILITY OF TEST RESULTS AND PRODUCTS

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

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	5mm (0.197")
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 SM05MM, the test consisted of an 8" concrete slab floor-ceiling assembly overlaid ceramic tile over SM05MM. Rubber underlayment **with suspended ceiling**. The test results have provided that the flooring system has an Impact Insulation Class of an **IIC 73** and a Sound Transmission Class **STC 74**.

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

FLOOR/CEILING ASSEMBLIES				IIC ⁽¹⁾	ΔIIC	STC ⁽¹⁾
PRODUCT	FINISH FLOOR	SUPENDED CEILING	SLAB CONCRETE			
SM05MM	VINYL TILE	NO SUSPENDED CEILING	8"	62	19	64
			6"	57	19	59
	ING. WOOD		8"	58	19	57
			6"	54	20	55
	WOOD		8"	57	20	59
			6"	51	19	56
	PORCELAIN TILE		8"	51	19	54
			6"	50	19	51
	CERAMIC TILE		8"	52	19	53
			6"	50	19	53

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

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