

SYSTEM DATA SHEET

SM05MM Rubber Underlayment



IIC>52

STC>53

Produced from Recycled and Natural Materials.

Impact Noise Reduction.

High Durability and Long Term Resilience.

PRODUCT DESCRIPTION:

Robust flat rubber pad used when superior sound control underlayment is required in multi-family housing, high-rises, single family homes or commercial build

APPLICATION:

Shock absorbing and impact sound reducing pad to be over subfloors and directly under floor coverings.

FEATURES AND BENEFITS:

- ✓ Made from 100% recycled material.
- ✓ No ozone-depleting substances are generated during manufacture.
- ✓ Free from lead, odour-producing oils and bitumen.
- ✓ Anti-microbial and moisture resistant.
- ✓ Will not break down or move under load.
- ✓ Easy to install, rolls out quickly, stays in place, will not move when laid.
- ✓ Compatible with most floor finishes.

ACOUSTIC FEATURES:

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

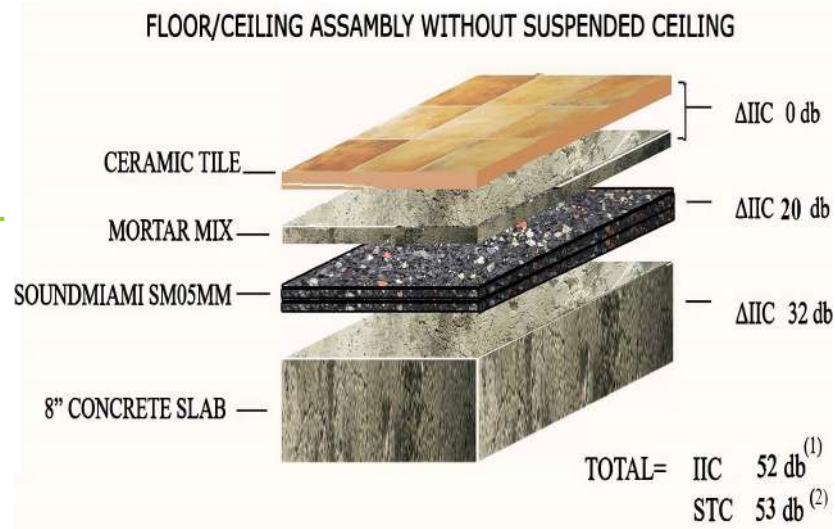
PACKAGING:

Dimension: 4' wide, 30' long = 120'Sq. Ft
 Thickness: 5mm (0.196")
 Roll Weight: 90 pounds/roll
 Roll Area: 120 square feet / 1.3 square yards
 Rolls/Pallet: 16 per pallet

AVAILABILITY

Immediately available from our local C.A.C. GROUP INVESTMENTS LLC

FLOOR/CEILING ASSEMBLIES:



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.

NOTE:

(1) Tests No NGC 7019171_R1 and No NGC 50191123 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 **without suspended ceiling**. The test results have provided that flooring system has an Impact Insulation Class of an **IIC 52** and a Sound Transmission Class **STC 53**.

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