



Tested in USA

U.S. AGENCY REPORT NGC7010046 & NGC5010027
 TEST ATSM E 90 / ATSM E 413-04 ATSM E 492 / ATSM E 989 - 06

SPECIFICATIONS

IIC Rating	71
STC Rating	67
% Sound Transmission Loss	70% Over 800Hz
Water Resistance	Waterproof (Moisture can not penetrate closed cell membranes)
Thickness	3mm Total
Roll Dimensions	43-3/4 Inches High x 3 and 7 Inch Diameter
Roll Weight	9.15 LB
Square Footage per Roll	100 SF
Rolls per Pallet	64 Rolls

TECHNICAL PARAMETERS

TEST ITEM	METHOD	UNIT	L-4000
Tensile Strength	JISK-6767	Mpa	≥ 0.12
Elongation at break	JISK-6767	%	≥ 200
Density	JISK-6767	G/cm3	0.022-0.025
Ear strength	JISK-6767	N/m	≥ 850
Compressive strength	JISK-6767	Mpa	≥ 0.035
The change rate of size after heating	JISK-6767	%	< -3
permanent deformation after press	JISK-6767	%	≤ 5.5
Water-absorptivity	JISK-6767	G/cm3	0.003
Thermal conductivity	JISK-6767	W/MK	0.035
Alkalinity resistance			No obvious change
Salt resistance			No obvious change
Oil resistance (Diesel oil)			No obvious change
Acid resistance			No obvious change
Combustibility	Auto-extinguishing quality GRADE 1		FEB/2010/001SPC
Smoke content	20 SDR		Floor - Ceiling Assembly
Oxygen index	27 OI		8" Concrete slab with suspended gypsum ceiling overlay.



Acoustical Testing Laboratory



Accredited by the National Voluntary
Laboratory Accreditation Program
for the specific scope of accreditation
under Lab Code 200291

TEST REPORT

for

Masters Building Products
10454 W. McNab Road
Tamarac, FL 33321
Andres Abad / 954-726-4515

Impact Sound Transmission Test ASTM E 492 - 09 / ASTM E 989 - 06 On

**8 Inch (203mm) Concrete Slab Floor-Ceiling Assembly
with Suspended Gypsum Board Ceiling Overlaid with;
Laminated Flooring on Sound Guard Pad**

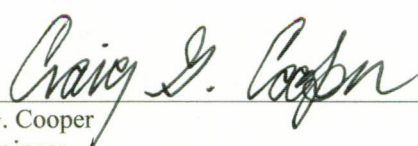
Report Number: NGC 7010046

Assignment Number: G-569

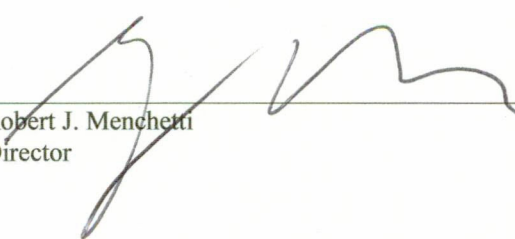
Test Date: 05/11/2010

Report Date: 05/25/2010

Submitted by: _____


Craig G. Cooper
Test Engineer

Reviewed by: _____


Robert J. Menchetti
Director

The results reported above apply to specific samples submitted for measurement.

No responsibility is assumed for performance of any other specimen.

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Normalized impact sound pressure level						
Test: ASTM E 492 - 09 / ASTM E 989 - 06						
Test Report: NGC7010046			Date: 5/11/2010			
Specimen Size [m ²]: 17.8						
Source room			Receiving room			
Rm Temp [°C]: 17			Volume [m ³]: 60			
Humidity [%]: 39			Rm Temp [°C]: 18.5			
			Humidity [%]: 61			
Impact Insulation Class IIC [dB]: 71						
Sum of Unfavorable Deviations [dB]: 21						
Max. Unfavorable Deviation [dB]: 8			at 100 Hz			
Frequency [Hz]	L _n [dB]	L ₂ [dB]	d [dB/s]	Corr. [dB]	u.Dev. [dB]	ΔL _n
100	49	50.9	37.3	-1.9	8	2.11
125	43	48.2	22.8	-5.2	2	2.31
160	43	48.2	18.6	-5.2	2	2.27
200	43	48.5	17.6	-5.5	2	1.16
250	38	43.1	19.1	-5.1		1.20
315	38	43.3	19.5	-5.3		0.55
400	38	44.9	19.3	-6.9		0.73
500	38	43.9	20.5	-5.9		0.40
630	38	43.6	22.0	-5.6		0.27
800	34	38.9	21.8	-4.9		0.23
1000	32	35.8	23.7	-3.8		0.16
1250	31	34.7	26.1	-3.7		0.23
1600	29	32.5	27.6	-3.5		0.27
2000	27	29.8	30.8	-2.8		0.23
2500	26	28.7	34.5	-2.7	2	0.29
3150	26	28.5	36.9	-2.5	5	0.31
4000	25	26.5	41.5	-1.5		0.36
5000	22	22.9	46.7	-0.9		0.44

L_n = Normalized Sound Pressure Level, dB
 L₂ = Receiving Room Level, dB
 d = Decay Time, dB/second
 ΔL_n = Uncertainty for 95% Confidence Level

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Normalized impact sound pressure level

Test: ASTM E 492 - 09 / ASTM E 989 - 06

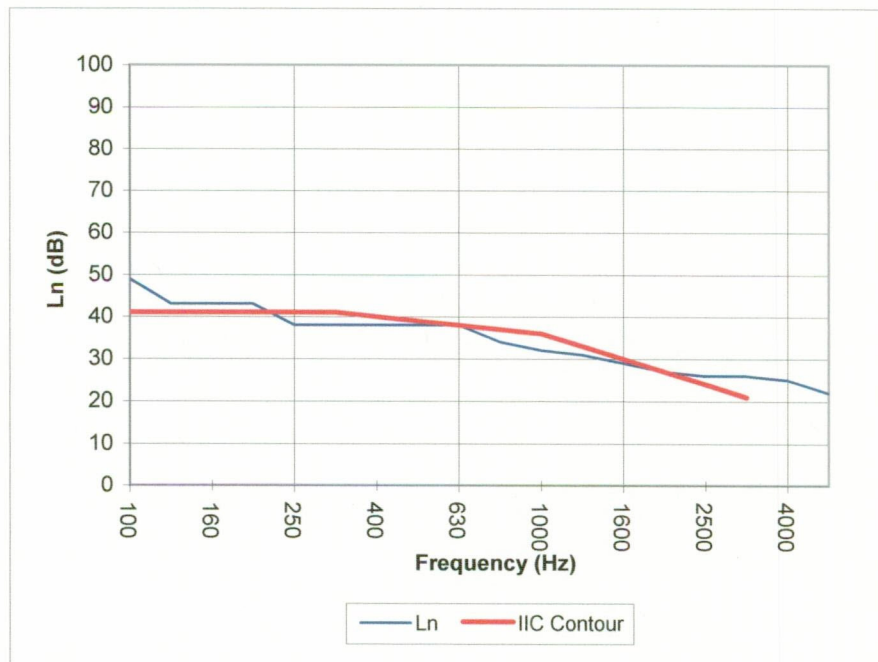
Test Report: NGC7010046

Test Date: 5/11/2010

Specimen Size [m²]: 17.8

Impact Insulation Class IIC [dB]: 71

Frequency [Hz]	L _n [dB]
100	49
125	43
160	43
200	43
250	38
315	38
400	38
500	38
630	38
800	34
1000	32
1250	31
1600	29
2000	27
2500	26
3150	26
4000	25
5000	22



* Due to high insulating value of specimen, background levels limit results at these frequencies.

L_n = Normalized Sound Pressure Level, dB

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TEST REPORT

for

Masters Building Products
10454 W. McNab Road
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Andres Abad / 954-726-4515

Sound Transmission Loss Test ASTM E 90 – 09 / E 413 - 04 On

**8 Inch (203mm) Concrete Slab Floor-Ceiling Assembly
with Suspended Gypsum Board Ceiling Overlaid with;
Laminated Flooring on Sound Guard Pad**


Report Number: NGC 5010027

Assignment Number: G-569


Test Date: 05/11/2010

Report Date: 05/25/2010

Submitted by:


Craig G. Cooper
Test Engineer

Reviewed by:


Robert J. Menchetti
Director

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Sound Transmission Loss Test Data

Test: ASTM E 90 - 09 / ASTM E 413 - 04

Test Report: NGC5010027

Date: 5/11/2010

Specimen Size [m²]: 17.8

Source room

Volume [m³]: 53.2

Rm Temp [°C]: 17

Humidity [%]: 40

Receiving room

Volume [m³]: 60

Rm Temp [°C]: 18.5

Humidity [%]: 61

Sound Transmission Class STC [dB]: 67

Sum of Unfavorable Deviations [dB]: 31

Max. Unfavorable Deviation [dB]: 6 at 250 Hz

Frequency [Hz]	STL [dB]	L1 [dB]	L2 [dB]	d [dB/s]	Corr. [dB]	u.Dev. [dB]	ΔSTL
100	43	102.8	65.0	37.3	5.2		3.53
125	46	100.6	61.0	22.8	6.4	5	2.20
160	52	105.7	61.5	18.6	7.8	2	1.87
200	52	101.8	57.8	17.6	8.0	5	1.01
250	54	103.7	56.9	19.1	7.2	6	0.77
315	58	100.6	50.5	19.5	7.9	5	0.58
400	61	100.0	46.9	19.3	7.9	5	1.09
500	65	98.9	41.7	20.5	7.8	2	0.43
630	67	98.6	38.8	22.0	7.1	1	0.61
800	72	100.3	35.2	21.8	7.0		0.41
1000	75	100.2	32.1	23.7	6.9		0.50
1250	78	99.1	27.7	26.1	6.6		0.84
1600	80	101.9	28.4	27.6	6.4		0.98
2000	79	102.1	28.9	30.8	5.8		0.85
2500	78	102.1	29.0	34.5	4.8		1.03
3150	80	102.2	27.1	36.9	4.9		0.72
4000	81	99.7	22.8	41.5	4.1		1.37
5000	83	97.1	17.5	46.7	3.4		1.67

STL = Sound Transmission Loss, dB
 L1 = Source Room Level, dB
 L2 = Receiving Room Level, dB
 d = Decay Time, dB/second
 Δ STL = Uncertainty for 95% Confidence Level

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Sound Transmission Loss Test Data

Per: ASTM E 90 - 09 / ASTM E 413 - 04

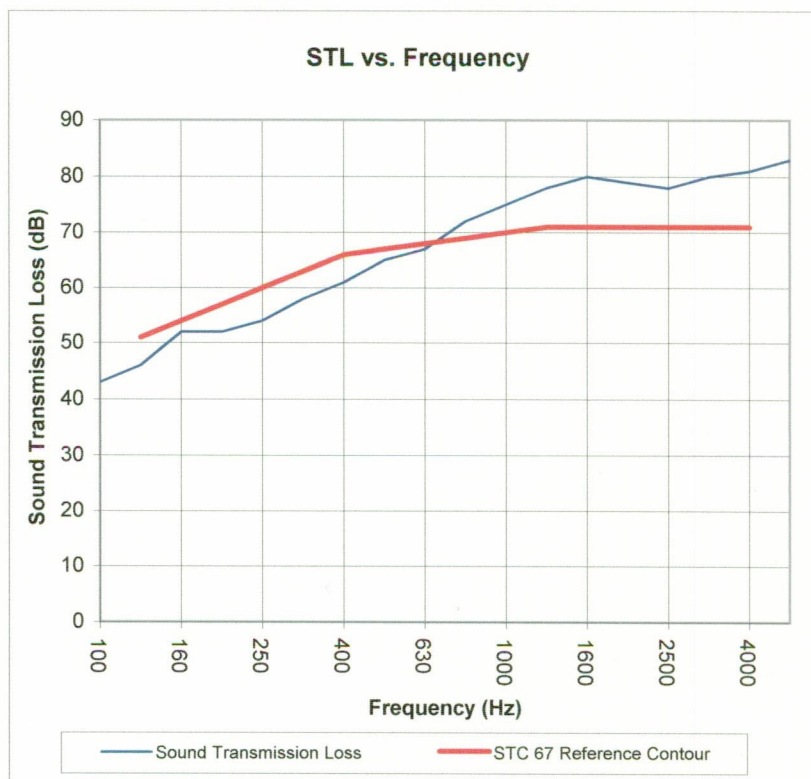
Test Report: NGC5010027

Test Date: 5/11/2010

Specimen Size [m²]: 17.8

Sound Transmission Class STC = 67 dB

Frequency [Hz]	STL [dB]	ΔSTL
100	43	3.53
125	46	2.20
160	52	1.87
200	52	1.01
250	54	0.77
315	58	0.58
400	61	1.09
500	65	0.43
630	67	0.61
800	72	0.41
1000	75	0.50
1250	78	0.84
1600	80	0.98
2000	79	0.85
2500	78	1.03
3150	80	0.72
4000	81	1.37
5000	83	1.67



* Due to high insulating value of specimen, background levels limit results at these frequencies.

STL = Sound Transmission Loss, dB
Δ STL = Uncertainty for 95% Confidence Level

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