

QT SCU Test Results

5.5" Concrete

Carpet Floor & More (310) 481-0611

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
5.5" concrete	QT4002	Quarry Tile	Yes	No	IIC 51	STC 56	Quarry tile, QT4002, 5.5" thick slab, Epicore MSR floor pans, GenieClips, hat channel, 1 layer Type X GWB	7009063	5009041	6/25/2009

6" Concrete

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
6" concrete	QT4005	LVT	No	No	IIC 52	STC 54	2.5mm Expona/LVT, QT4005 ECOSilence Base 5, 6" slab, no ceiling	C8707 03-113-11-R1	C8707 03-113-11-R1	7/16/2013
6" concrete	QT4005	Bamboo	No	No	IIC 51		1 layer Green Choice Bamboo flooring, 1 layer QT 4005, 6" reinforced concrete slab (75.0 PSF)	7012005		4/5/2012
6" concrete	QT4002	LVT	Yes	No	IIC 62	STC 62	2.5mm LVT, EGRIP Evolve, QT4002, EGRIP Evolve, 6" slab, wire hangers, R13 insulation, Armstrong cross tee, 1 layer Type x GWB	d7519 10-113-11-r0	d7519 10-113-11-r0	7/31/2014
6" concrete	QT4002	Porcelain Tile	Yes	No	IIC 58	STC 62	7.2mm porcelain tile, latex modified mortar, QT4002, EGRIP Evolve, 6" slab, wire hangers, Armstrong cross tee, R13 insulation, 1 layer Type X GWB	d7519 09-113-11-r0	d7519 09-113-11-r0	7/24/2014
6" concrete	QT4002	Engineered Hardwood	Yes	No	IIC 68	STC 62	Armstrong engineered wood loose laid over QT4002 loose laid, 6" slab, Armstrong cross tee system, 1 layer Type X GWB	d7519 11-113-11-r0	d7519 11-113-11-r0	7/31/2014

7" Concrete

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
7" concrete	QT4005	Ceramic Tile	No		FIIC 51		Ceramic Tile over 5mm QT4005, 7" post-tension slab	WEAL 0		5/1/2002
7" concrete	QT4002	Bamboo	No	No	IIC 54	STC 55	Bamboo, QT4002, 7" concrete slab, no ceiling	C5673.01-113-11	C5673.01-113-11	2/15/2013
7" concrete	QT4002	Laminate	No	No	IIC 58	STC 56	Laminate, QT4002, 7" slab	C5673.01-113-11	C5673.01-113-11	2/15/2013
7" concrete	QT4006	Engineered Hardwood	No		FIIC 58		1/2" thick engineered wood, QT 4005, 7" concrete, plaster ceiling surface direct applied	WEAL 3701-009		4/29/2004

8" Concrete

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
8" concrete	QT4006	Porcelain Tile	No	No	IIC 52		8" Concrete Slab Overlaid with Porcelain Tile over QT	7002032		6/4/2002
8" concrete	QT4010	Ceramic Tile	No		FIIC 53		Ceramic Tile, 8" thick post tension slab, no perimeter iso	WEAL 3701-027		1/3/2006
8" concrete	QT4005	Quarry Tile	No	No	IIC 50		1 layer unglazed quarry tile w/grout & mortar, 1 layer QT4005, 8" reinforced concrete slab 102.4 PSF	7006028		6/6/2006
8" concrete	QT4010	Quarry Tile	No		IIC 53	STC 54	8" Concrete Floor/Ceiling Assembly Overlaid with Quarry Tile over QT 102.4 PSF	7006032	5006020	6/20/2006
8" concrete	QT4012	Quarry Tile	No	No	IIC 55		1 layer unglazed quarry tile w/grout & mortar, 1 layer QT4012, 8" reinforced concrete slab 102.4 PSF	7006029		6/6/2006
8" concrete	QT4005	Laminate	No	No	FIIC 61		Gammapar laminate? glue down, 8" thick post tension slab, no perimeter iso	WEAL 3701-027		1/3/2006
8" concrete	QT4005	Engineered Wood	No	No	FIIC 59		Engineered wood, QT 4005, 8" thick cast in place concrete	WEAL 3701-029		3/25/2007
8" concrete	QT4010	Hardwood	No	No	FIIC 60		Boen hardwood (floating), 8" thick post tension slab, no perimeter iso	WEAL 3701-027		1/3/2006

Wood Joist

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
Wood Joist	QT3006-3	Stone Tile	Yes	Yes	IIC 51	STC 57	Wood Joist Floor/Ceiling Assembly with Stone Tile, Gypsum Concrete & QT	7003004	5003001	1/31/2003
Wood Joist	QT4010	Quarry Tile	Yes		IIC 59		Quarry Tile, QT4010, 1 layer 1/2" cement backerboard, 5/8" T&G pwd subfloor, 1/2" pwd subfloor, wood I joists, RC channel, 3" insul, 2 layers 1/2" type X wallboard	7002041		7/19/2002
Wood Joist	QT3006-3	Hardwood	Yes	Yes	IIC 54		Wood Joist Floor/Ceiling Assembly with Oak Flooring, Gypsum Concrete & QT	7003002		1/31/2003
Wood Joist	QT3017.8	Carpet and pad	Yes	Yes	FIIC 81		Carpet with 6 lb rebond pad, 1.5" Hacker Firm Fill gypsum concrete, QT 3017.8 (no perimeter iso), 3" wood deck, supporting steal beams and wood	WEAL 3701-036		8/28/2007

Wood Truss

Assembly	Detail	Finish	Ceiling	Concrete	IIC	STC	Description	IIC Report	STC Report	Date
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Wood Truss	Expona + QT4002	LVT	Yes	1"	IIC 50	STC 63	2.5mm LVT, 1" gypsum concrete, QT4002, wood truss, 1 layer Type C GWB, polyflor	C8706 05-113-11-R0	C8706 05-113-11-R0	7/25/2013
Wood Truss	Expona + QT4005	LVT	Yes	1"	IIC 53	STC 63	2.5mm Expona LVT, QT4005, 1" gypsum concrete, QT4002, wood truss, RC deluxe, 1 layer Type C GWB, polyflor	C8706 03-113-11-R0	C8706 03-113-11-R0	7/24/2013
Wood Truss	QT4002	Laminate	Yes	1"	IIC 53	STC 63	7mm Kaindle Classic Touch laminate, 25.4mm Hacker Firm-Fill 3310, QT4002, 5/8-3/4" T&G OSB subfloor, 16" depth parallel chord truss, 24" oc, 3.5" fiberglass batt insulation, RC Deluxe RC, 1 layer 5/8" type C USG Sheetrock	C7016 01-113-11-r0		6/17/2013

Notes:

*IIC: Impact Insulation Class, STC: Sound Transmission Class

*Non-laboratory or **Field** tests for impact sound (FIIC) and for airborne sound (FSTC) are also recognized by the International Building Code. These sound tests utilize the same testing methods as IIC and STC but are conducted in an actual building after the floor installation is completed.

*Decibel measurements are taken at various specified frequencies in the lower chamber. Those readings are then combined using a mathematical formula to create a whole number representation of the test, the higher the number, the higher the resistance.