

Ecospan® Composite Floor System IIC & STC Ratings

Full Scale Tests		
Flooring Materials/Thickness	IIC	STC
Concrete	26, 30*	57
Carpet 1. 6 PCF Pad (0.4") 2. 100% Pet polyester carpet (0.438")	77	57
Ceramic Tile 1. Loose-laid cork (0.235") 2. Thinset mortar 3. Glazed ceramic tile (0.3")	51, 54*	N/A
Wood Laminate 1. Underlayment (.07") 2. Wood laminate floor (0.38")	54	N/A

* Resilient sound isolation clips (RSIC-1) used in place of wire ties.

Small Scale Tests			
Flooring Materials/Thickness		Total Depth	IIC
CERAMIC TILE	Ceramic Tile (0.30") Nobleseal CIS (0.03") Levelrock 2500 (1.00") SRM-25 (0.25")	1.62"	54
	Ceramic Tile (0.3") Nobleseal CIS (0.03") Levelrock 2500 (1.50") USG SRB (0.375") SRM-25 (0.25")	2.46"	58
	Ceramic Tile (0.3") Nobleseal CIS (0.03") USG Underlayment (0.25") Levelrock 2500 (1.50") USG SRB (0.375") SRM-25 (0.25")	2.71"	62
	Ceramic Tile (0.30") USG Wonderboard (0.25") Enkasonic Underlayment (0.40")	1.01"	59
	Ceramic Tile (0.30") USG Wonderboard (0.50") Enkasonic Underlayment (0.40")	1.26"	58
	Ceramic Tile (0.30") Cork (0.25")	0.63"	51
	HARDWOOD	Hardwood Flooring (0.5625") Sound Underlayment (0.0625") Levelrock 2500 (1.00") SRM-25 (0.25")	1.88"
Hardwood Flooring (0.5625") Sound Underlayment (0.0625")		0.63"	53
PERGO	Pergo Flooring (0.375") Sound Underlayment (0.0625") Levelrock 2500 (1.00") SRM-25 (0.25")	1.69"	54 54 W/ RISC-1 *
	Pergo Flooring (0.375") Sound Underlayment (0.0625")	0.44"	53

* Tested with and without Resilient Sound Isolation Clips (RSIC-1).