

TECHNICAL DATA

REGUPOL SONUS CORE 12



The **REGUPOL sonus core 12** is a high-performance acoustical floor underlayment. It greatly reduces footfall noise transmission and impact sound. The **sonus core 12** can be installed under a variety of floor coverings.



Applications

- › Carpet
- › Carpet Tile
- › Ceramic Tile
- › Engineered Hardwood
- › Hardwood
- › Laminate
- › Rigid Core Click Vinyl (SPC & WPC)
- › Stone Tile



Materials

- › Polyurethane
- › Styrene-Butadiene Rubber

Form	Thickness	Width	Length	Unit Area	Weight	Unit Weight
Rolls	1/2" (12 mm)	4'	25'	100 ft ²	1.94 lb/ft ²	194 lb
Sheets	1/2" (12 mm)	30"	4'	10 ft ²	1.94 lb/ft ²	19.4 lb

Property	Result	Standard	Note
Density	49 lb/ft ³ (+/- 4 lb)	ASTM D792	
Hardness	40 – 55	ASTM D2240	A Shore Durometer
Temperature Resistance	0 – 140 °F		
LEED	up to 8 points	USGBC LEED v4.1	see documentation
Recycled Content	94%	ISO 14021	GreenCircle 22-0194
VOC Emission	compliant	CDPH/EHLB V1.1	CA Specification 01350

Assembly	Rating	Standard	Test Report
Ceramic Tile, 1/4"	STC 56	ASTM E90	RAL-TL17-308
REGUPOL sonus core 12, 1/2"	IIC 54	ASTM E492	RAL-IN17-028
Concrete Slab, 8"			
Ceramic Tile, 1/4"	STC 63	ASTM E90	E1552.07-113-11-R0
REGUPOL sonus core 12, 1/2"	IIC 64	ASTM E492	
Concrete Slab, 8"			
Fiberglass Insulation, 3-1/2"			
Gypsum Panel, 5/8"			

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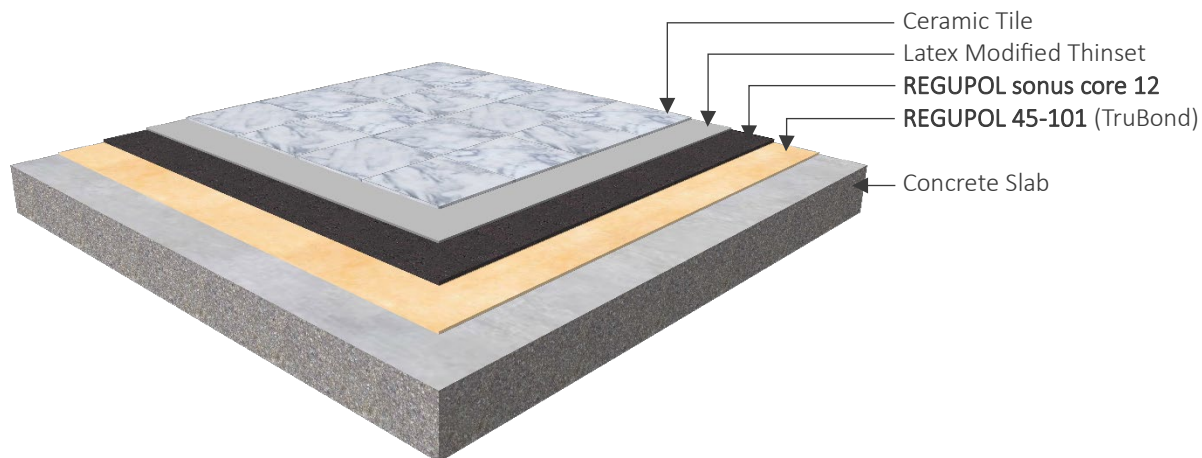
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Assembly	Rating	Standard	Test Report
Engineered Hardwood, 9/16" REGUPOL sonus core 12, 1/2" REGUPOL sonus core 6, 1/4" Concrete, 3-1/2" Steel Deck, 1-1/2" Steel Joist, 16" Hat Channel, 7/8" Fiberglass Insulation, 3-1/2" Gypsum Panel, 5/8"	STC 59 IIC 59	ASTM E90 ASTM E492	L0146.01-113-11-RO
Engineered Hardwood, 9/16" REGUPOL sonus core 12, 1/2" REGUPOL sonus core 6, 1/4" Concrete, 3-1/2" Steel Deck, 1-1/2" Steel Joist, 16" REGUPOL sonusclip SC100, 1" Hat Channel, 7/8" Fiberglass Insulation, 3-1/2" Gypsum Panel, 5/8"	STC 60 IIC 60	ASTM E90 ASTM E492	L0146.02-113-11-RO
Hardwood Flooring, 1/2" REGUPOL sonus core 12, 1/2" Gypsum Concrete, 1" OSB, 3/4" 2x10 Joist, 9-1/4" Fiberglass Insulation, 3-1/2" Gypsum Panel, 5/8"	STC 60 IIC 58	ASTM E90 ASTM E492	E1550.03-113-11-RO

Example Floor Assembly

Ceramic Tile



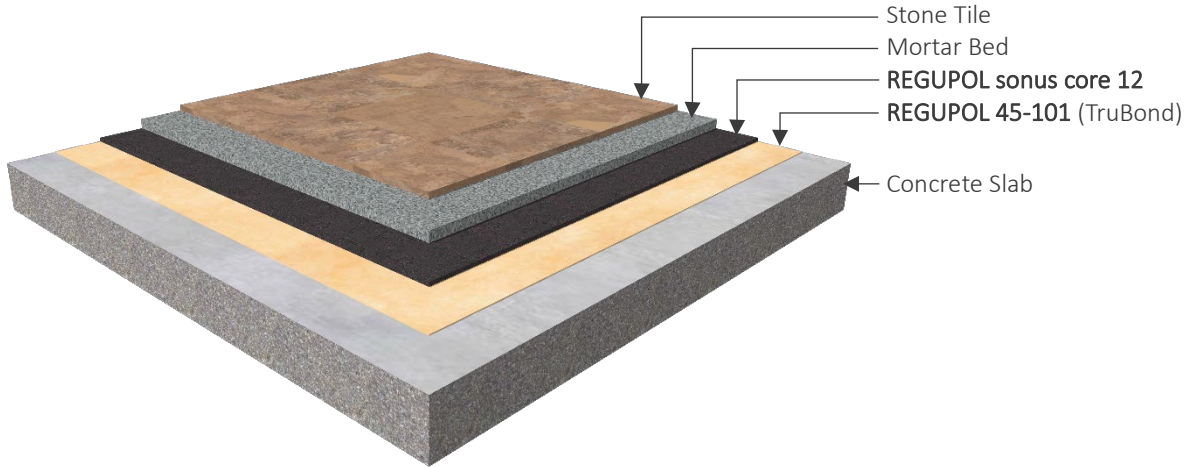
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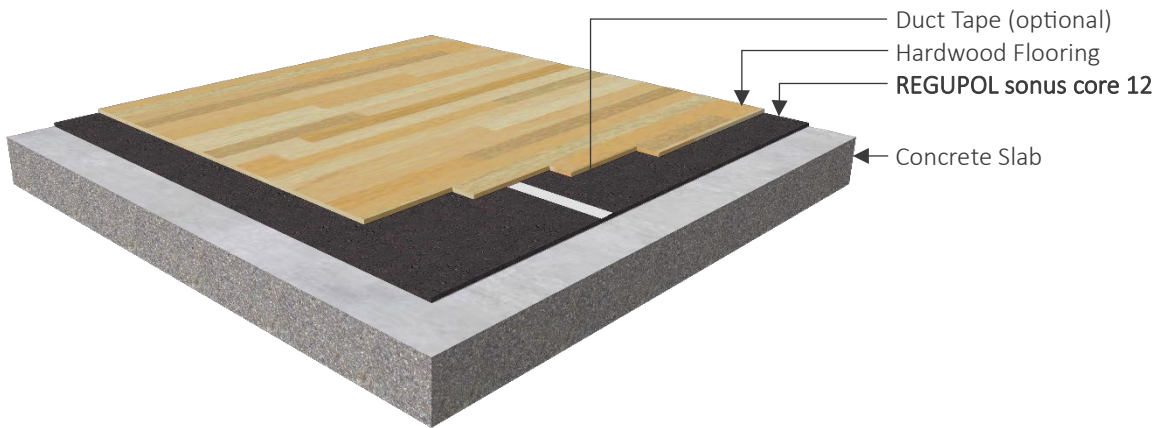
Example Floor Assembly

Stone Tile



Example Floor Assembly

Floating Hardwood Floor



Accessories

REGUPOL perimeter
isolation strip



REGUPOL 40-205
(WoodBond)



REGUPOL 45-101
(TruBond)

