

ACOUSTICORK PRODUCTS

Acousticork Products are recognized in the building industry as some of the most effective sound control and crack suppression underlayments used under hard surface floors. Residential and commercial high-rise complexes such as condominiums, hotels and motels throughout the United States, Canada and Europe have used Acousticork Products to reduce unwanted noise.

Acousticork Products are designed to meet building codes and condominium association requirements for floor/ceiling assemblies using ceramic tile, marble, stone or hardwood floors.

Testing

Acousticork Products have been tested in accordance to ASTM standards for acoustical values at Riverbank Acoustical Laboratories, an independent laboratory accredited by the National Bureau of Standards of the U.S. Dept. of Commerce, NVLAP. Test results are at the bottom of page three.

Additional testing of Acousticork Products:

Test	ASTM TEST	RESULT
Bond Strength	C482 Modified	PSI of 80
Structural Performance Without CBU With CBU	C627-88	Residential Rating Heavy Rating
	E84-91a	Class "A"
Flame Spread		
Thermal Insulation	C177-85	
6mm AcoustiCORK	(BTU-inch) (HR - FT2 - F)	0.320
K Factor		3.125
R Factor		

Certifications

ICBO Evaluation Report No. 5314
City of Los Angeles Research Report No. RR25323-A

PRODUCT SPECIFICATION CHART

AcoustiCORK a 2.5 mm roll underlay-
Sound Control Underlayment R25 ment

designed to meet building code and condominium association requirements when the floor/ceiling assembly system is a floating wood or laminate floor with a suspended ceiling. Also an excellent upgrade alternative to foam underlayments used in conjunction with floating wood or laminate floors.

AcoustiCORK a 6mm roll underlay-
Sound Control Underlayment R60 ment
designed to meet building code and condominium association requirements when the floor/ceiling assembly system is ceramic, natural stone or wood with a suspended ceiling.

AcoustiCORK a 1/2" sheet
Sound Control Underlayment S130 underlay-
ment designed to meet building code and condominium association requirements when the floor/ceiling assembly system is ceramic, natural stone or wood without a suspended ceiling.

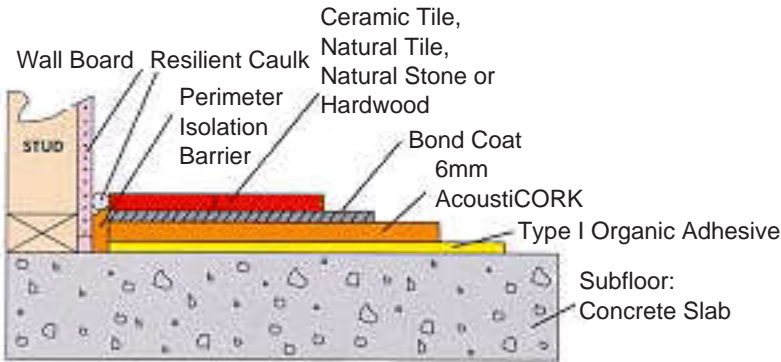
AcoustiCORK a precut underlay-
Sound Control Underlayment B60 ment
designed to meet building code and condominium association requirements when the floor/ceiling assembly system is ceramic, natural stone or wood without a suspended ceiling.

AcoustiCORK a 1.2mm roll cork/
Sound Control Underlayment R12 rubber
composite membrane designed to prevent unsightly stress cracks due to structural or thermal movement from reflecting through to a ceramic or natural stone floor.

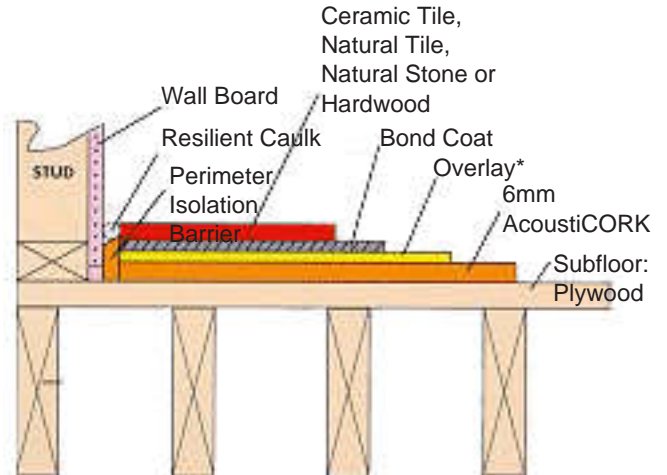
INSTALLATION

Part of the natural attraction of AcoustiCORK Products is the working ability to install the product and immediately move on to the next installation step with no waiting time. With AcoustiCORK Products you are guaranteed consistent

thickness of the sound control underlayment without trowel leveling of products that are mixed on site. The consistent thickness ensures a quality sound rated floor system.



AcoustiCORK on Concrete Slab



AcoustiCORK in Wood

*If requested
 1/2" CBU
 1 1/4" Mortar Setting Bed
 1 1/2" Lightweight Concrete

Sound Ratings for AcoustiCORK Sound Control Underlayment Floor/Ceiling Assemblies

Test Reference	Subfloor	AcoustiCORK Thickness	Suspended Ceiling	Overlay	Floor Covering	Sound Rating	
						IIC	STC
RAL IN95-11 RAL TL95-118	5/8" Plywood	6mm	Yes	1 1/2" Gypsum Concrete	Ceramic Tile	57	60
RAL IN95-19 RAL TL95-126	5/8" Plywood	6mm	Yes	1 1/2" Gypsum Concrete	Parquet Wood	59	54
RAL IN95-15 RAL TL95-122	5/8" Plywood	6mm	Yes	1 1/2" Gypsum Concrete	Laminate Floor	53	60
RAL IN98-37 RAL TL98-186	5/8" Plywood	6mm	Yes	1 1/2" Gypsum Concrete	Floating Wood	57	60
RAL IN95-37 RAL TL95-356	6" Slab	6mm	Yes	None	Ceramic Tile	61	60
RAL IN95-43 RAL TL95-366	6" Slab	6mm	Yes	None	Glued Wood	61	62
RAL IN95-42 RAL TL95-365	6" Slab	6mm	Yes	None	Nailed Wood	61	61
RAL IN95-41 RAL TL95-364	6" Slab	6mm	Yes	None	Floating Wood	63	60
RAL IN95-40 RAL TL95-363	6" Slab	2.5mm	Yes	None	Floating Wood	62	59
RAL IN95-40 RAL TL98-27	6" Slab	6mm	No	None	Floating Wood	50	52
RAL IN98-41 RAL TL98-280	8" Slab	1/2"	No	None	Ceramic Tile	50	56

WOOD FLOOR
JOIST SYSTEM

CONCRETE
FLOOR SYSTEM

Recommended Project Specifications

1. General

RELATED WORK: Drawings and general provisions of the contract including General and Supplemental Conditions and Division 1 Specification Sections apply to the work of this section.

2. PRODUCT

MANUFACTURER: Amorim Industrial Solutions, (formerly known as Badger Cork and Manufacturing), Trevor, WI. Phone: (800) 255-2675 and Fax: (262) 862-2500

SYSTEM PERFORMANCE

Acoustical: All products shall be tested for acoustical values in accordance with ASTM E90-90 and E492-90 for STC and IIC values respectively. Testing shall be conducted by an independent laboratory accredited by the U.S. Dept. of Commerce, NVLAP.

Structural: Products shall be tested for structural and deflection performance in accordance with ASTM C627-88 and shall have a minimum of a residential construction rating.

Limited 10 Year Warranty: Manufacturer warrants Acousticork Products to be free of defects in material and workmanship appearing within ten (10) years from date of installation. A complete copy of the stated warranty is available upon request from the manufacturer

3. EXECUTION

Installation: In accordance with manufacturer's recommended installation instructions for appropriate floor construction and in compliance to ANSI A108.1 A,B,C; and A108.4 or A108.5 depending upon method of installation.

3.1 Subfloor shall be properly sloped, structurally sound, level and clean. All subfloor work shall be in accordance with recommended installation procedures as provided for various floor system details as published by the Tile Council of America and specified by the American National Standards Institute.

3.2 Install AcoustiCORK B60 a precut 3/4" wide, 6mm thick perimeter isolation barrier vertically around the perimeter of the entire floor including any openings in the subfloor installation. Remove the release liner from the self-adhesive backing and place flat against the wall flush to the floor. After positioning, press the isolation barrier firmly into place at all wall or vertical partitions surrounding the perimeter area using Acousticork underlayment products. Never mechanically fasten the isolation barrier with screws, nails or staples as this will severely diminish the acoustical value of the sound rated floor system. After the floor is installed and grouted, trim the isolation barrier 1/4" below the finished floor surface. Caulk the trimmed areas with a bed of non-hardening acoustical sealant flush to the finished floor.

3.3 Cut Acousticork Products to desired length and install directly over the subfloor. Depending on the subfloor and method of installation, glue the Acousticork to the subfloor with a Type I organic adhesive and roll the Acousticork removing all trapped air. Acousticork can be loose laid if an overlay is used. Be sure to butt cork tightly to the isolation barrier already installed. Joints shall be butted together tight. Never mechanically fasten the cork to the subfloor as this will severely diminish the acoustical values of the system.

3.4 For ceramic tile installations, a bond coat of dry set mortar or latex Portland cement mortar shall be used conforming to ANSI A118.1 and A118.4.

3.5 Tile and marble shall be standard grade in compliance to ANSI A137.1.

Detailed installation instructions for other floor systems are available upon request from the manufacturer. Call (800) 255-2675 and ask for a technical representative.

CRACK SUPPRESSION MEMBRANE

AcoustiCORK, a 1.2mm thick crack suppression membrane combines the unique but distinctive properties of cork and rubber to ensure one of the most unparalleled crack suppression membranes available. The addition of rubber to cork granules provides elasticity to the membrane to absorb the stress of structural movement so the finished floor will not crack. An additional benefit of AcoustiCORK crack suppression membrane is the superior bonding surface it provides for thin-set and adhesives which will eliminate cracks due to bond failure. Although the primary function is crack suppression of AcoustiCORK R12, it does offer acoustical value to a floor system.

AcoustiCORK crack suppression membrane can be installed over the entire concrete subfloor or just over existing cracks without causing unevenness to the finished floor, due to its thin but effective nature

KEEPING TREES ALIVE

Every year we strip the bark of thousands of cork oak trees. This is an essential process for their survival.

Installation is easy and economical, truly the envy of installers. There is no messy mixing of materials, down time for curing of extensive clean-up. Because the material comes in a roll, consistent thickness is guaranteed which assures superior performance of the system.

PACKAGING and PERFORMANCE SPECIFICATIONS

Thickness: 1.2mm (0.046")
Roll Size: 4' x 75' (300 square feet/roll)
Density: Minimum 35 lbs per cubic foot
Bond Shear: Minimum 50 psi according to ASTM C482 (modified)
Bridging: Minimum 0.030" according to ASTM C627 (modified)

Acousticork PRODUCTS

Sound Control Underlayment & Crack Suppression Membrane
by AMORIM

Amorim Industrial Solutions
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800-255-2675 Fax 262-862-2500