

AcoustiCORK™ AC55 Plus

The All-Natural, High-Performance Sound Control Underlayment

AcoustiCORK™ AC 55 Plus High-Performance Sound Control Underlayment is a ½" (12.5mm) thick high-performance sound control underlayment product designed to exceed building code requirements and address the most demanding condominium association or developer requirements for IIC Ratings (Impact Isolation Class) that approach or exceed 55 IIC, even when there is no sound rated ceiling assembly present. AcoustiCORK™ AC 55 Plus is the perfect combination of unmatched acoustical performance and an environmentally superior product.

ENVIRONMENTAL ADVANTAGES

AcoustiCORK AC 55 Plus™ meets many of the key criteria of the organizations that promote and support green building initiatives. Consisting of an agricultural waste product in the coconut husk fiber core, surrounded by a rapidly renewing resource in the form of the cork top and bottom sheets, AcoustiCORK™ AC 55 Plus is about as "green" as a product can get.

- The use of AcoustiCORK™ AC 55 Plus and the other AcoustiCORK™ products in your project can help it qualify for credit points under the LEED™ GREEN BUILDING RATING SYSTEM in the Material & Resources and Indoor Environmental Quality categories.

AcoustiCORK™ AC 55 Plus and the other AcoustiCORK™ products satisfy the following requirements under the GREENSPEC™ program:

- Green Process
- Biodegradable
- Low Toxicity
- Recyclable
- Improves Sustainability.



SIMPLER and LESS EXPENSIVE to INSTALL

Durable, stable, light in weight and easy to install, AcoustiCORK™ AC 55 Plus, unlike many other competitive high-performance products, is strong enough to support many finished floor-covering materials, without the use of additional overlay materials. It is also compatible with the common adhesive systems used to install most finished flooring products. These unique features allow AcoustiCORK™ AC 55 Plus to provide a lower total installed cost and finished floor profile thickness, in most applications, than other products offering comparable sound attenuation performance.

ACOUSTICAL TESTING

AcoustiCORK™ AC 55 Plus has been tested at Riverbank Acoustical Laboratories, an independent laboratory accredited by the U.S. Dept. of Commerce and NVLAP, for Impact Isolation Class (IIC) in accordance with the new ASTM method E 2179-03, on a 6" concrete slab, with no suspended ceiling assembly. In this testing it has been shown to contribute up to 26 IIC points to floor/ceiling assemblies, as tested per ASTM E2179-03. The table below shows the results of the testing for a 6" concrete slab, with the approximate total IIC value of the same finished floor system applied to 8" and 10" thick slabs.

Solid Concrete Slab Thickness (With <u>No Sound Rated Ceiling Assembly</u>)	Delta IIC Rating* for Concrete Slab Alone (With No Floor Covering or Sound Control system present)	Contributed IIC Value of AC 55 Plus (Glued Wood Floor Assembly) Per ASTM E2179-03 Test	Total IIC Value for the Complete Floor/Ceiling Assembly***
6"	28*	26	54
8"	30**	26	56***
10"	32**	26	58***

* Equalized rating for the specimen tested as per ASTM E2179-03 test method.

** Based on an average of the range of IIC ratings reported. Varies regionally as to the density of the concrete and the local properties of the aggregate used in the concrete mix.

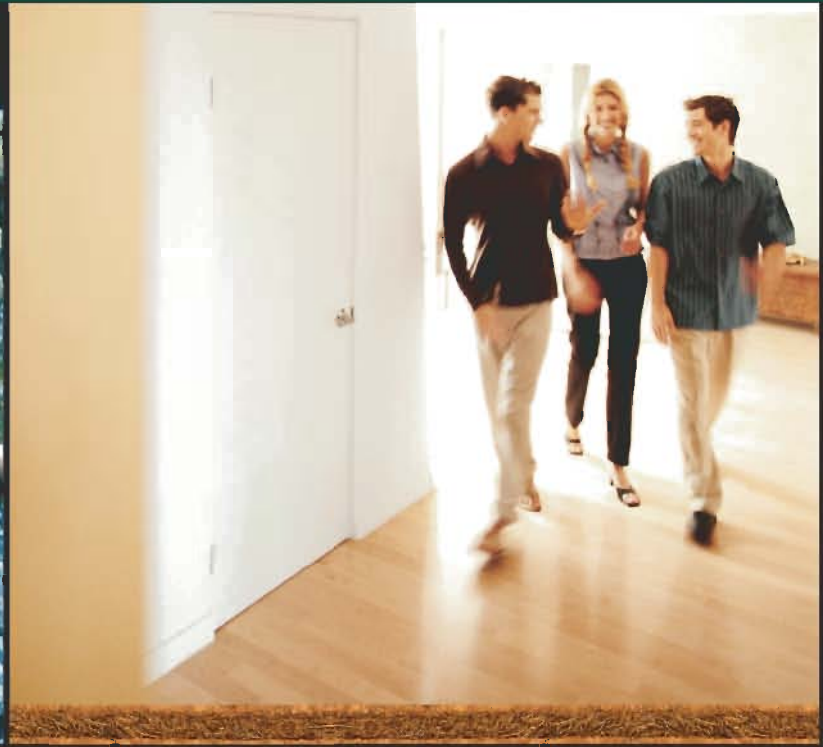
*** Approximate IIC rating based on adding the Contributed Value to the average Delta Value of the 8" & 10" concrete slabs. Actual results may vary depending on concrete density and final floor assembly details.



AcoustiCORK PRODUCTS
 Sound Control Underlayment & Crack Suppression Membrane
 Amorim Industrial Solutions
 26112 110th Street • PO Box 25 • Trevor, WI 53179
 1-800-255-2675 • 1-262-862-2311 • FAX 1-262-862-2500
www.acousticorkusa.com

AcoustiCORK™ AC55 Plus

The All-Natural, High-Performance Sound Control Underlayment



Nature's Way To Interior Peace