

AcoustiCORK™ PR60

High Performance Profile Wave Technology Sound Control Underlayment

For Hardwood & Laminate Flooring Applications



(Note: Installed with the wave side facing down)

Maximum Performance with Minimum Added Thickness

25 Point IIC Improvement as Tested per ASTM E-2179

Outperforms Rubber, Foam, Standard Cork and Other Direct Bond Sound Control Products in Glued Hardwood Applications*

*As tested in an Independent Acoustical Testing Laboratory under ASTM test method E 2179-03.

Green Material & Process - Maximum LEED™ Potential

Rapidly Renewing Bark of Cork Oak Trees, No Trees Are Cut Down!

Post Industrial Product of Wine Corks, Zero Waste Stream Process



AcoustiCORK PRODUCTS

Sound Control Underlayment & Crack Suppression Membrane

Amorim Cork Composites, Inc.

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AcoustiCORK™ PR60

High Performance Profile Wave Technology Sound Control Underlayment

AcoustiCORK™PR60 uses proprietary profile wave technology to minimize direct contact with the subfloor to maximize the IIC (Impact Isolation Class) performance of glued or floating wood or laminate floor systems, while still maintaining the structural support needed for a secure installation. Only 6mm (.236") thick, it provides the performance required to meet or exceed building code, developer or condominium associations requirements, in nearly all applications, even when there is no sound rated ceiling assembly present, without adding excessive thickness or cost to the floor system.

ACOUSTICAL LABORATORY TESTING

AcoustiCORK™PR60 has been tested at NGC Testing Services, an independent laboratory accredited by NVLAP and the US Dept of Commerce, for Impact Isolation Class (IIC) in accordance with ASTM E 492 and ASTM E 2179. In the ASTM E 2179-03 testing, a 6" concrete slab subfloor, with no suspended ceiling assembly is used. In this testing AcoustiCORK™PR60 has been shown to contribute up to 25 IIC points to the floor ceiling assembly. The table below shows the results of the testing for a 6" thick concrete slab subfloor, with the approximate total IIC value of the same floor assembly applied to 8" & 10" thick concrete slabs.

| Solid Concrete Slab Thickness (With No Sound Rated Ceiling Assembly) | Baseline IIC* Rating of Concrete Slab Alone (With No Flooring or Sound Control system present) | Contributed ? IIC Value of PR60 (Glued Wood Floor Assembly) Per ASTM E2179-03 Testing | Total IIC Rating for the Complete Floor/Ceiling Assembly *** |
|---|--|---|--|
| 6" | 28* | 25 | IIC 54 |
| 8" | 30** | 25 | IIC 55*** |
| 10" | 32** | 25 | IIC 57*** |

FIELD ACOUSTICAL TESTING

AcoustiCORK™PR60 has been tested in Field conditions in accordance with ASTM test methods E 1007 and E 989. This testing was performed by Octave Acoustique Acoustical Consultants of Saint-Laurent-de-l'Île-d'Orleans, Quebec, Canada.

| Solid Concrete Slab Thickness (With No Ceiling Assembly) | Baseline FIIC Rating of Bare Concrete Subfloor | Flooring Assembly Description | Total FIIC Rating for the Complete Floor Assembly |
|---|--|-------------------------------|---|
| 8" | 34 | ½" Glued Engineered Hardwood | FIIC 60 |

* Equalized rating for specimen as tested per ASTM E 2179-03 test method

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

*** Estimated total IIC rating based on adding the Contributed ? IIC Value of AcoustiCORK™ PR60 to the Baseline IIC of the 8" & 10" concrete slabs. Actual results may vary depending on concrete density and floor assembly details.

ENVIRONMENTAL BENEFITS

AcoustiCORK™PR60 meets many of the key criteria of the organizations that promote and support green building initiatives. The use of AcoustiCORK in your project can help it qualify for credit points under the LEED™Green Building Rating System in the following areas:

- MR 4.1 5% Minimum Recycled Content of total building materials (post consumer + ½ of post industrial) (AcoustiCORK products are approx. 85% post industrial recycled content by weight)
- MR 6 Specifying rapidly renewable building materials for 5% of total building materials.
- MR 7 The Use of a minimum of 50% of wood-based materials certified in accordance with the Forest Stewardship Council guidelines. (FSC Certified Content AcoustiCORK Available)
- EQ 4.1 Low Emitting Materials Adhesives & Sealants (Adhesives Specified meet SCAQMD Rule 1168)
- EQ 4.4 Composite wood or agri-fiber products must contain no added urea-formaldehyde resins.

INSTALLATION ADVANTAGES

AcoustiCORK™PR60 is thin, (less than 1/4") light in weight and easy to install, yet it provides superior impact noise attenuation compared to other direct bond systems of similar thickness in glued down wood flooring installations. It is compatible with all types of wood flooring adhesives, resulting in reduced labor and material costs and a lower total installed cost vs. other systems.



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