

## Sound Control Underlayments

**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.

### **B. PRODUCT**

**Manufacturer:** Amorim Industrial Solutions, Trevor, WI 53179  
Phone: 800-255-2675 and Fax: 262-862-2500.

**Products (Cork Based):** 6mm AcustiCORK R60 and 1/2" (13mm) AcustiCORK S130 underlayments. The products shall consist of pure granulated cork combined with a polyurethane resin binder. R60 Product is furnished in 48" wide continuous rolls, 100 or 50 linear feet long, or 4' x 6' or 3' x 4' sheets 6mm thick, ± .010 tolerance. S130 Product is furnished in 24" x 36" x 1/2" sheets, ± .010 tolerance. The density shall be a minimum of 11.4 lbs. per cubic foot and not to exceed 13 Lbs. per cubic foot.

**Products (Rubber Based):** RC Series Recycled Rubber & Cork Underlayment. Furnished in 5mm (0.197") RC5000 and 10mm (0.394") RC1000 thicknesses, ± .010 thickness tolerance. Furnished in 48" wide continuous rolls, of various lengths. The density shall be a minimum of 42 lbs. per cubic foot and not to exceed 46 lbs. per cubic foot.

### **SYSTEM PERFORMANCE**

**Acoustical:** Product shall be tested for acoustical values in accordance with ASTM E90-90 and E492-90 for STC and IIC values respectively Testing of acoustical values shall be conducted by an independent laboratory accredited by the U.S. Dept. of Commerce, (NVLAP) National Voluntary Laboratory Accreditation Program.

**Structural:** (Ceramic Tile Direct Bond Installations) Product shall be tested for structural and deflection performance in accordance with ASTM C627-88, and shall have a minimum of a Residential Rating. ASTM C482 Shear Bond Test minimum 50 PSI (Membrane Standard with ANSI 118-4 thin-set mortar).

**Limited 10 Year Warranty:** The manufacturer warrants AcustiCORK Products to be free of defects in material and workmanship appearing within ten (10) years from date of installation. If a defect covered by this warranty is proven to exist, AcustiCORK Products will replace or at its option, refund the cost of the defective material. Such replacement or refund will be AcustiCORK Products only responsibility and the purchaser's sole remedy in connection with the defective material. AcustiCORK Products will not be responsible for the cost of removal of the defective material or the finished floor installed over it, replacement of finished floor installed over defective material or installation associated therewith.

AcustiCORK Products will also have no responsibility for the replacement of or refund for warranted material damaged by (1) installation which is sub-standard or performed contrary to the manufacturer's instructions and/or recommendations, (2) accident or abuse, or (3) irregularities of the subfloor, (4) hydrostatic pressure (5) or acts of God.

**AcustiCORK Products will not be responsible for any incidental or consequential damages arising from the breach of this warranty or any other warranties, whether expressed, implied or statutory.**

## RECOMMENDATIONS for YOUR PROJECT SPECIFICATIONS WITH HARD SURFACE FLOORING PRODUCTS

Some states do not allow the exclusion or limitation of incidental

or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state. To make a warranty claim, contact AcustiCORK Products at 800-255-2675 or write PO Box 25, Trevor, Wisconsin 53179.

### **C. EXECUTION**

**Installation:** In accordance with manufacturers recommended installation instructions for appropriate floor construction and in compliance to ANSI A 108.1 A,B,C; and A108.4 or A 108.5 depending upon method of installation for Ceramic Tile. Methods for Hardwood Flooring include glued down (Engineered Hardwood), nail down and floating installations.

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 North America or the National Wood Flooring Association or as specified by the American National Standards Institute (ANSI).

2. Install AcustiCORK 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. 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 finished floor is installed and grouted (Ceramic Tile), trim the isolation barrier flush to the finished floor surface. Caulk the trimmed areas with a bead of non-hardening acoustical sealant between any trim or moldings and the finished floor.

3. Cut the AcustiCORK underlayment product to desired length and install directly over the subfloor, starting by placing tight to the perimeter isolation barrier previously installed. Depending on the subfloor, method of installation and finished flooring selection, either glue the AcustiCORK product to the subfloor with either; a latex based ceramic tile adhesive (**not recommended for use with the RC Series products**) / Type I Organic Mastic (ANSI 137.1), a one part Polyurethane wood flooring adhesive or an ANSI 118.4 compliant latex modified thin-set mortar. Roll the adhered underlayment in both directions to remove all trapped air. You can loose lay the AcustiCORK underlayment to the subfloor when a floating floor system or floating overlay is used. Be sure to butt underlayment tightly to the isolation barrier already installed. Joints shall be butted together tightly. Never mechanically fasten the AcustiCORK underlayment to the subfloor, as this will severely diminish the acoustical values of the system.

4. For ceramic tile installations, a bond coat of latex /polymer modified thin-set mortar shall be used conforming to ANSI 118.4.

5. Tile and natural stone products shall be a minimum of 8"x 8" and of standard grade in compliance to ANSI A137.1.

## AcustiCORK™ PRODUCTS

### Sound Control Underlayment & Crack Suppression Membrane

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Visit our Website at [www.acousticorkusa.com](http://www.acousticorkusa.com) for the most complete information on AcustiCORK™