



## **VALLAREX FLOATING CORK FLOOR AND TRADITIONAL CORK ACOUSTICAL TEST RESULTS**

### *DESCRIPTION OF ACOUSTICAL TEST AND RESULTS*

#### **TECHNICAL SUPPORT 800.345.6202**

Expanko Traditional Cork and Vallarex Cork Floating Floor have been tested in accordance with ASTM standards ASTM E 492-90/ASTM E 989-89 (STC rating) as well as ASTM E 90-02 (IIC rating). These tests indicate the Sound Transmission Class (STC) and Impact Insulation Class (IIC) of the flooring product.

While values of the tests indicate a sound value, these values are dependent upon the testing method used, which does change within the ASTM standard. In simplified terms, a test performed using a drop ceiling (in addition to the floor covering) will give a higher reduction rating, however, if the actual installation does not have a drop ceiling, this test data is meaningless. For that reason, Expanko has tested its material using only a concrete slab to give the true value of the product, without the "assistance" of other products to falsely indicate a higher value.

Expanko products were tested using an 8" concrete slab floor-ceiling assembly. For both products, the material was installed per specification. The test results are as follows:

#### Traditional Cork Flooring:

IIC Rating - 51 dB  
STC Rating - 54 dB

#### Vallarex Cork Floating Floor:

IIC Rating - 53 dB  
STC Rating - 52 dB

These tests signify that both Traditional Cork and Vallarex contribute significantly to the reduction of sound transmission. Therefore both products are an excellent choice for use where sound reduction is required. Areas particularly suited for these products would include office and apartment complexes. In those areas that require additional sound transmission reduction, Vallarex may be installed over a cork underlayment.

Please contact an authorized Expanko dealer for additional information and customer service. Installation instructions, technical documentation and care and maintenance instructions are available on our website at [www.expanko.com](http://www.expanko.com).