

MATERIAL DESCRIPTION & PROPERTIES

$\Delta L_w = 17\text{dB}$

LVT – Luxury Vinyl Tile

Produced from Recycled and Natural Materials
 Impact Noise Reduction and Thermal Insulation Properties
 High Performance with Reduced Thickness
 Perfect to Level Small Localized Uneven Areas



Product Description

Agglomerated cork and recycled polyurethane underlay for impact noise and thermal insulation.

Thermal Properties

Thermal Conductivity: 0,055 W/mK⁽¹⁾

⁽¹⁾ISO 8301

Physical and Mechanical Properties

Specific Weight ⁽¹⁾	Tensile Strength ⁽²⁾	Compression at 0,7MPa	Recovery after 0,7MPa ⁽¹⁾	Alongation at break ⁽²⁾
430±50Kg/m ³	>800KPa*	<30%	>75%	>40%

⁽¹⁾ISO 7322 • ⁽²⁾DIN 53571 • *Longitudinal

Acoustical Results

Flooring	Thickness (mm)	ΔL_w (dB) ⁽¹⁾
LVT	2	17*

*Test performed with self-adhesive LVT and floating LVT • ⁽¹⁾ISO 10140-1, ISO 10140-3 & ISO 10140-4

Standard Dimensions

Thickness (mm)	Width (m) x Length (m)
2	1 x 15

Others sizes available upon request

Castor Chair Resistance

Pass

Protection Against Static Loads

Residual Indentation: <0,2mm⁽¹⁾

⁽¹⁾EN ISO 24343-1:2012

General Installation Instructions

The following installation instructions are recommended by Total Vibration Solutions, but are not intended as a definitive project specification. They are presented in an attempt to be used with recommended installation procedures of the flooring manufacturers and screed.

Room Conditions

Temperature > 10°C / Room moisture content < 75%.

Subfloor

All subfloor work should be structurally sound, clear and level. The moisture content of the subfloor should not be more than 2.5% (cm) by weight measured on concrete subfloors.

Perimeter Insulation Barrier

Install a perimeter insulation barrier vertically around the entire perimeter of the room with width equal to that of the floor build up. This is highly recommended in order to avoid lateral propagation of impact noise. The barrier must also be applied in the perimeter of pipes, ducts or any other component protruding from the floor. Spot adhere the strips to the wall using acrylic glue or a bead of silicone sealant.

Vapor Insulation Barrier (only for Non Glued Floors)

PE (Polyethylene) vapor insulation barrier covering the entire flooring area, minimum 50mm wide vertically around the perimeter of the entire floor MUST be installed prior to the Acousticork T82.

Install by overlapping (minimum 100mm) the PE foil, and use an adequate tape to adhere/fix it, if necessary. After completion, PE foil should cover the entire concrete area without gaps. Never mechanically fasten the PE foil barrier with screws, nails or staples as this will severely diminish the performance of the insulation barrier.

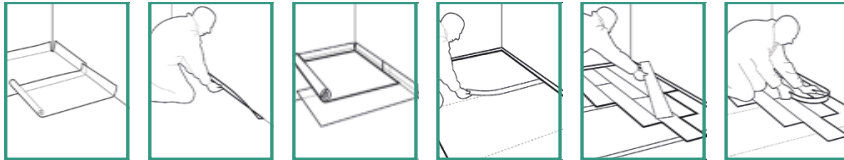
Installation Instruction for Acousticork T82

Unpack the Acousticork T82 at least 24h before the installation and store it in the room where the installation will take place. Cut the T82 to desired length and install directly over the entire floor pulled 30mm up the walls with crown of the rolled materials up (Acousticork label side down), removing all trapped air. After completion, the T82 should cover the entire flooring area without gaps and with joints butted tight and preferably taped.

Final Flooring

Always follow manufacturers recommended installation instructions.

Application Process – non-glued floors



1. Vapor insulation barrier application;
2. Perimeter barrier application;
3. Underlay application;
4. Tape application in joints between rolls;
5. Final floor application;
6. Perimeter insulation barrier cut.

Important Notes

Never mechanically fasten the Acousticork T82 to the flooring floor as this will severely diminish its acoustical value.

For detailed installation instructions, please contact us.

ACOUSTICORK T82

Product Data Sheet PDS 1.1 ACOUSTICORK T82

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