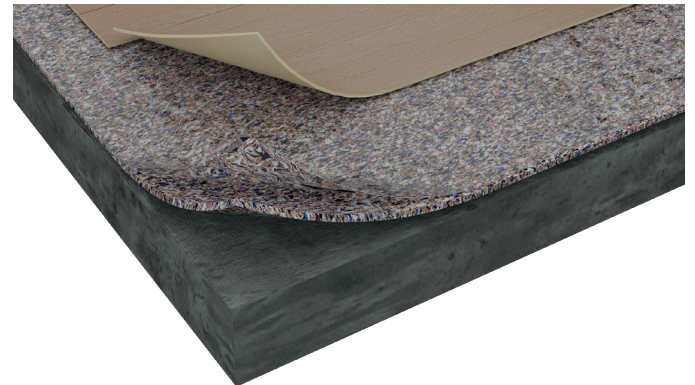


T56 ENDURANCE



Agglomerated cork and recycled EVA underlayment for impact, noise and flooring protection



PRODUCT SPECIFICATION

Resilient acoustic underlayment made of agglomerated cork and recycled EVA foam with PU (polyurethane) elastomer bonding agent for impact noise insulation for wood-based or resilient floor, with a density up to 430kg/m³.

KEY FEATURES

- ▶ 2 in 1 solution: Pre-attached vapor barrier for moisture protection
- ▶ Easy to install and anti-slip underlayment
- ▶ Improves comfort under foot
- ▶ Long-lasting physical properties

PHYSICAL AND MECHANICAL PROPERTIES

Specific Weight (kg/m ³ lb/ft ³) ①	320-430 20-27
Tensile Strength (kPa) ①	> 550
Compression at 0.7MPa (%) ①	20-45
Recovery after 0.7MPa (%) ①	> 70

① ISO 7322

TECHNICAL PROPERTIES

Flooring		LVT/Laminate
Thickness	mm	1.8
Thermal Resistance (TR) ①	m ² .°C/W	0.024
Floor Durability		
Punctual Conformability (PC) ①	mm	> 0.5
Compressive Strength (CS) ①	kPa	> 200
Compressive Creep (CC) ①	kPa	> 100
Water Vapor Resistance (SD) ①	m	> 75
Vapor Barrier		●

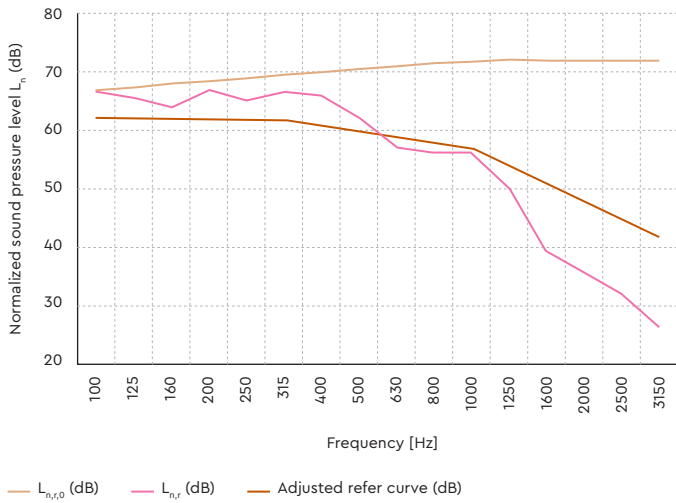
① EN 16354 TBD To be determined NA Not applicable ● Yes ○ No

ACOUSTIC RESULTS

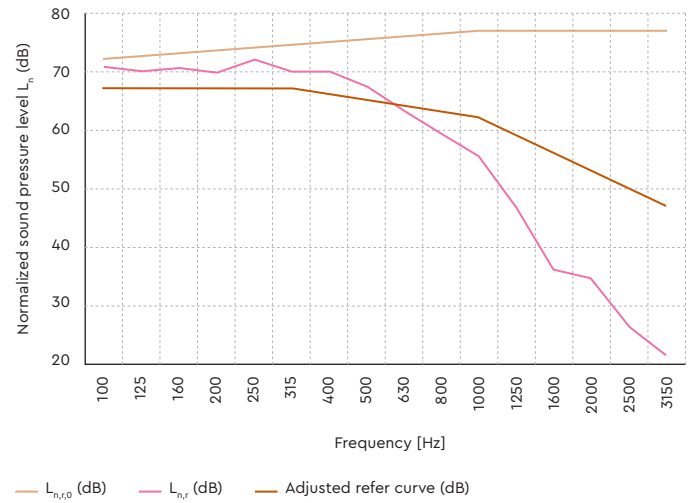
Flooring		Laminate	Laminate	Laminate	Laminate	LVT
Flooring Thickness	mm	2	4	6.2	6.2	8
Underlayment Thickness	mm	1.8	1.8	1.8	1.8	1.8
Impact Insulation (IS) ①	dB (ISO)	18	18	—	—	—
Impact Insulation IIC Δ IIC ②	dB (ASTM)	— —	— —	67 —	53 —	47 —
Sound Transmission (STC) ③	dB (ASTM)	—	—	—	—	—
System (Glued Floating)		Glued	Glued	Floating	Floating	Floating
System (Ceiling)		○	○	●	○	○

① Standard ISO 717-2:2013 ② Standard ASTM E413 ③ Standard ASTM E989-89 ● Yes ○ No

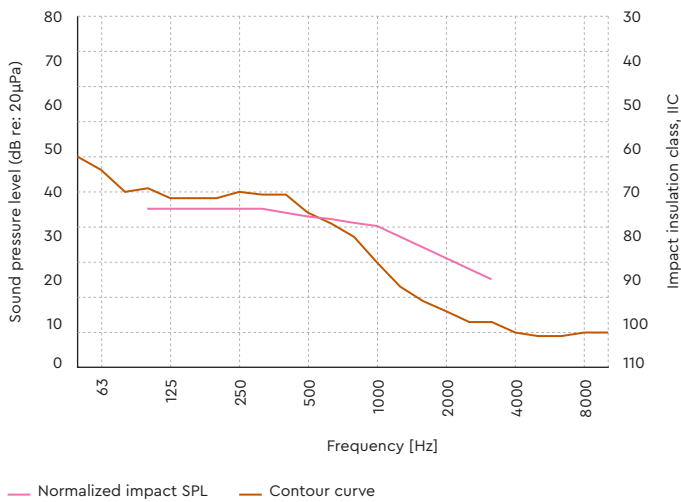
Impact Sound (IS) · Laminate Floor (2mm) · T56 (1.8mm) · Glued



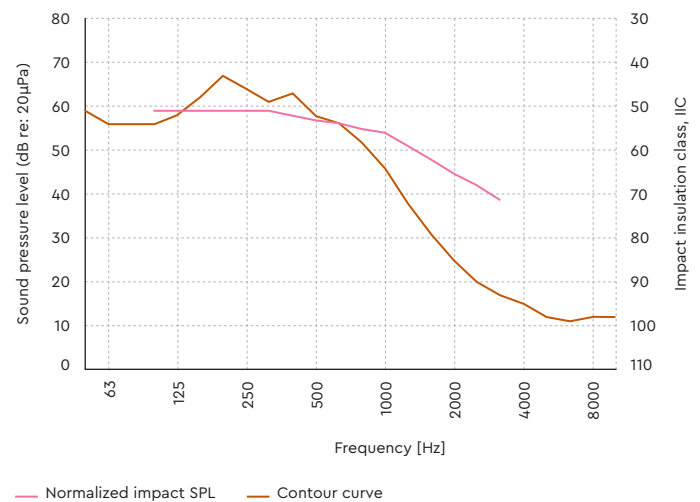
Impact Sound (IS) · Laminate Floor (4mm) · T56 (1.8mm) · Glued



Impact Insulation Class (IIC) · LVT Floor (6.2mm) · T56 (1.8mm) · Floating & Ceiling

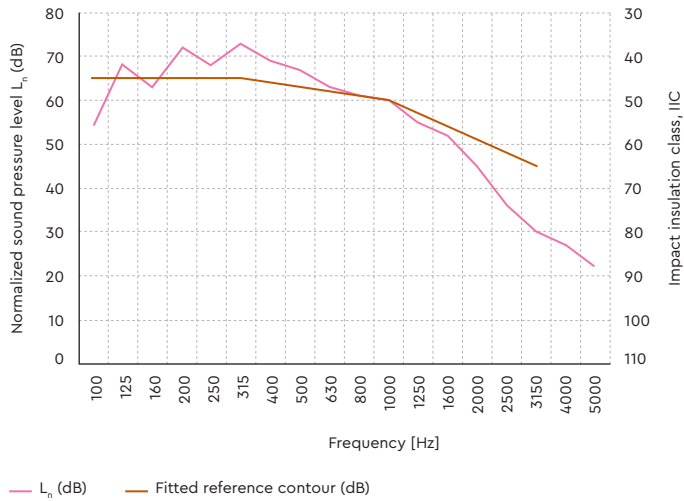


Impact Insulation Class (IIC) · LVT Floor (6.2mm) · T56 (1.8mm) · Floating

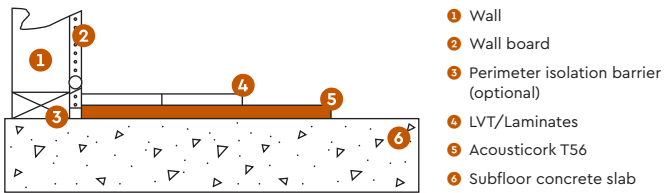


ACOUSTIC RESULTS

Impact Insulation Class (IIC) · LVT Floor (8mm)
· T56 (1.8mm) · Floating

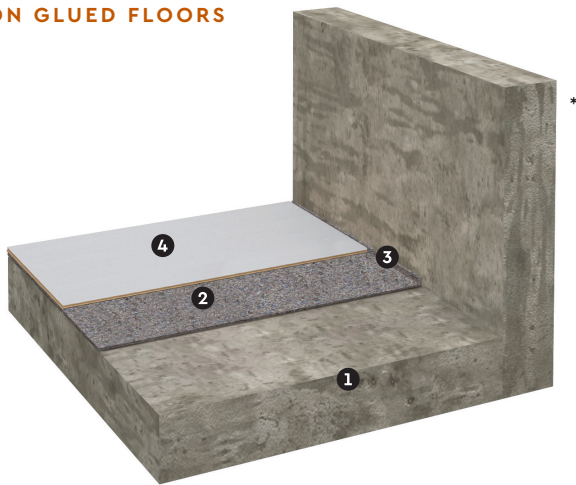


TEST APPARATUS (ΔL_w)



INSTALLATION

NON GLUED FLOORS



- 1 Reinforced concrete slab
- 2 Agglomerated cork resilient layer – Acousticork T56
- 3 Perimeter insulation barrier (optional)
- 4 Floor covering composed by non glued wood floor

*Product images and illustrations are for illustrative purposes only.

GENERAL INSTALLATION INSTRUCTIONS

The following installation instructions are recommended by Amorim Cork Composites, 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 installer.

Final Flooring

Always follow manufacturers recommended installation instructions, particularly when adhesives are recommended.

Recommended Adhesives

Wood-based to Acousticork: Water-Based Emulsion/Polyurethane Glue;

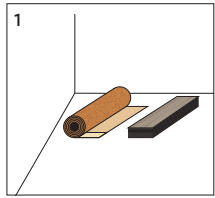
Important Notes

Never mechanically fasten the Acousticork T56 to the flooring floor as this will severely diminish its acoustical value.

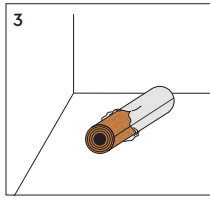
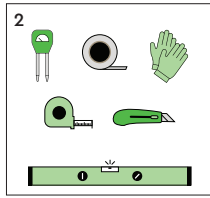
For more detailed installation instructions, please contact us.

Never install a wood or laminate floor without vapor barrier (integrated or applied before the underlayment).

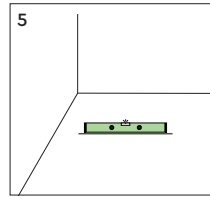
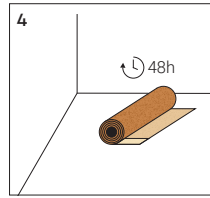
APPLICATION PROCESS · NON GLUED FLOOR



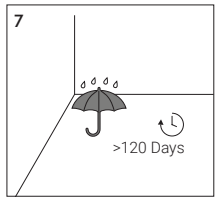
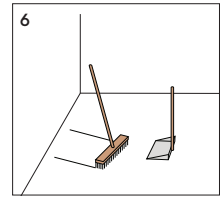
These are all the materials needed to install the underlayment.



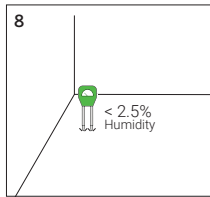
For the installation process, open the packaging 48 hours in advance and leave for acclimatization.



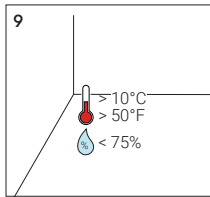
Subfloor preparation: Make sure that the subfloor is leveled, dry, clean and in good structural conditions.



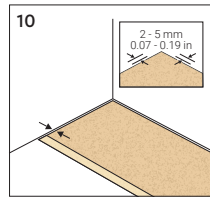
New concrete slabs must be left to cure for 120 days before installation.



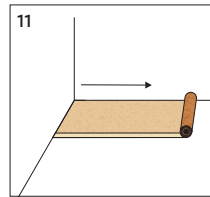
The humidity content of the substrate is critical: it must not exceed 2.5% (MC).



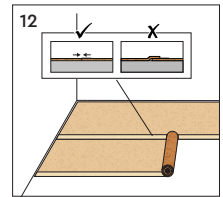
Air temperature should be above 10°C and air humidity below 75%.



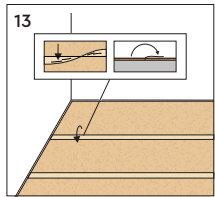
The underlayment should be installed in a perpendicular direction to the final floor. Leave a little space between the wall and the underlayment.



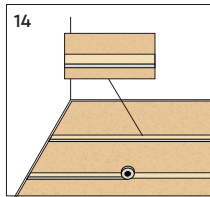
Place one roll parallel to the wall with the vapor barrier face up on the subfloor. The foil overlap should be on the opposite side of the wall.



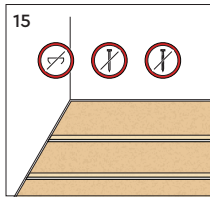
Install the new row immediately next to the previous one, covering the foil overlap. Be sure not to overlap the underlayment edges nor leave any gaps.



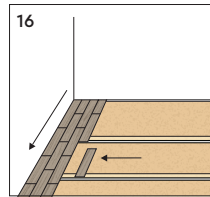
Make sure the foil overlap the row parallel.



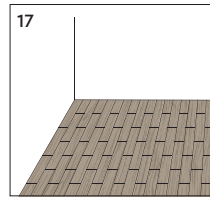
Use a sealing tape to seal the rows securely together.



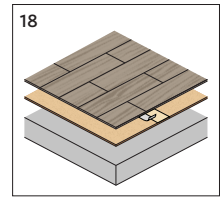
Never mechanically secure the underlayment with screws, nails or staples, since this may undermine its effectiveness.



Install the flooring in a perpendicular direction to the underlayment.



Always follow the flooring manufacturer's recommended installation instructions.



Total System.

TECHNICAL DATA SHEET T56 ENDURANCE

The data provided in this Technical Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper product may result in either equipments damage or personal injury. Please contact Amorim Cork Composites regarding specific application recommendations. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Composites is not liable for any indirect special, incidental, consequential, or punitive damages as a result of using the information listed in this TDS. Any of its material specification sheets, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).



For more information about this installation process and for non glued floors, access here