

T47 VERSATILE



Agglomerated cork and recycled PU foam underlayment for impact noise and LVT floor protection

PRODUCT SPECIFICATION

Resilient acoustic underlayment made of agglomerated cork and recycled PU foam with PU (polyurethane) elastomer bonding agent for impact noise insulation for LVT, SPC or WPC floors, with a density up to 420 kg/m³.

KEY FEATURES

- ▶ High durability and long term resilience
- ▶ High performance with reduced thickness
- ▶ Impact noise reduction
- Recycled materials



PHYSICAL AND MECHANICAL PROPERTIES

Specific Weight (kg/m³ lb/ft³) ^①	320-420 20-26
Tensile Strength (kPa) ^①	> 350
Compression at 0.7MPa (%) $^{\circledR}$	20-45
Recovery after 0.7MPa (%) ^①	> 70

① ISO 7322

TECHNICAL PROPERTIES

Flooring		LVT
Thickness	mm	1.9
Thermal Resistance (TR) ^①	m².ºC/W	0.037
Floor Durability		
Punctual Conformability (PC) ^①	mm	> 0.5
Compressive Strength (CS) ^①	kPa	> 200
Compressive Creep (CC) ^①	kPa	_
Water Vapor Resistance (SD) $^{ ext{0}}$	m	NA
Vapor Barrier		0

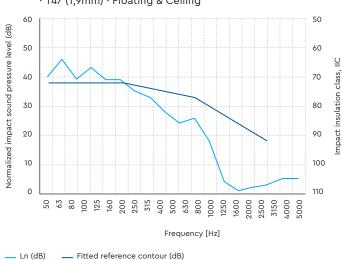
① EN 16354 $\,$ TBD To be determined $\,$ NA Not applicable $\,$ $\,$ Yes $\,$ O No

ACOUSTIC RESULTS

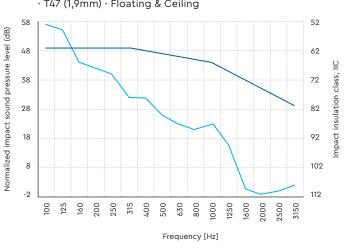
Flooring			LVT	Laminate
Flooring Thickness	mm	7.3	7.3	12
Underlayment Thickness	mm	1.9	1.9	1.9
Impact Insulation (IS) ^①	dB (ISO)	18	17	_
Impact Insulation IIC ΔIIC @	dB (ASTM)	74 35	_	75 37
Sound Transmission (STC) $^{\cite{3}}$	dB (ASTM)	76	_	76
System (Glued Floating)		Floating	Floating	Floating
System (Ceiling)		•	0	•

① Standard ISO 717-2:2013 ② Standard ASTM E413 ③ Standard ASTM E989-89 • Yes O No

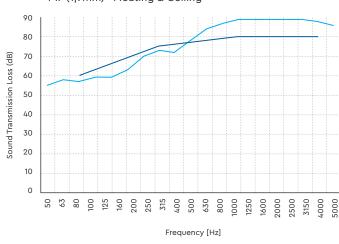






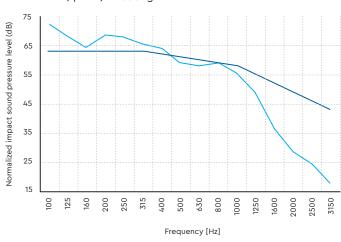


Sound transmission class (STC) · Wise floor (7,3mm) · T47 (1,9mm) · Floating & Ceiling



Impact Sound (IS) · Wise floor (7,3mm) · T47 (1,9mm) · Floating

__ Lref,c(dB) __ Fitted reference contour (dB)

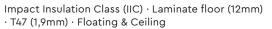


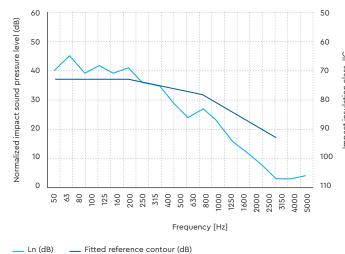
___ Ln,r (dB) ___ Adjusted refer curve (dB)

AMORIM CORK SOLUTIONS

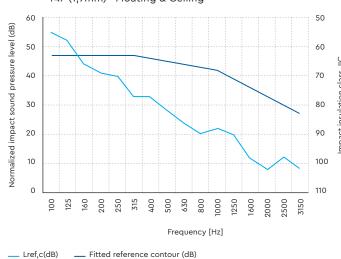
__ L_{or0} (dB) __ Adjusted refer curve (dB)

ACOUSTIC RESULTS

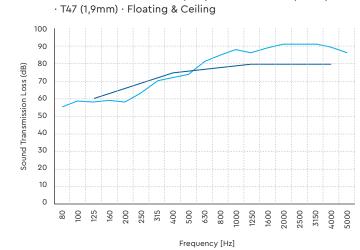




Delta Impact insulation class (ΔIIC) · Laminate floor (12mm) · T47 (1,9mm) · Floating & Ceiling



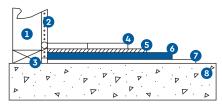
Sound transmission class (STC) · Laminate floor (12mm)



___ L_{n,r,0} (dB) ___ Adjusted refer curve (dB)

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TEST APPARATUS (AL,)



AMORIM CORK SOLUTIONS

- Wall
- Wall board
- 3 Perimeter isolation barrier
- S Adhesive (recommended flooring producer)
- 6 Acousticork T47
- Adhesive (recommended) flooring producer)
- 8 Subfloor concrete slab

INSTALLATION



- Reinforced concrete slab
- 2 Agglomerated cork resilient layer Acousticork T47
- 3 Adhesive
- Floor covering composed by glued wood floor
- Adhesive (optional)

*Product images and illustrations are for illustrative purposes only.

GENERAL INSTALLATION INSTRUCTIONS

The following installation instructions are recommended by Amorim Cork 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 installer.

Final Flooring

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

Recommended Adhesives

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

Important Notes

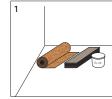
Never mechanically fasten the Acousticork T47 to the flooring floor as this will severaly diminish its acoustical value.

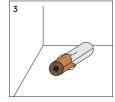
For more detailed installation instructions, please contact us.

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

APPLICATION PROCESS · GLUED FLOOR

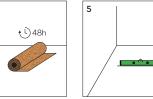
These are all the materials needed to install the underlayment.

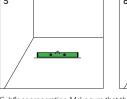




> 50°F

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.

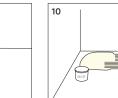


New concrete slabs must be left to cure for 120 days before installation.

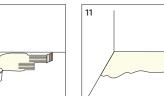
>120 Days



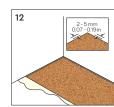
Air temperature should be The humidity content of the substrate is critical: it must not above 10°C and air humidity exceed 2.5 % (MC). below 75%.



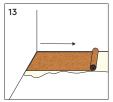
Optional step: apply the glue using a trowel. The installation of a moisture barrier is not necessary.



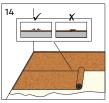
Optional step: we recommend the use of an adequate glue for the flooring to be installed.



directly on the adhesive, leave a space between the wall and the underlayment.



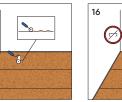
The underlayment should be installed in a perpendicular direction that you plan to install the final floor.



The underlay must cover the entire area without any gaps nor overlaps.

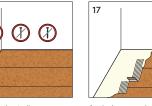


Use the paint roller to make sure the underlayment doesn't have any waves.

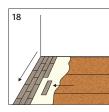


Never mechanically secure the underlayment with screws, nails or staples, since this may

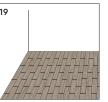
undermine its effectiveness.



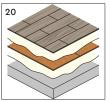
Apply the same glue on the



Install the flooring in a perpendicular direction to the underlayment, and let the whole floor dry completely before you start to use it.



Always follow the flooring manufacturer's recommended installation instructions



Total System.



process and for non glued floors,

TECHNICAL DATA SHEET T47 VERSATILE

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 Solutions regarding specific application recommendations. Amorim Cork Solutions expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Solutions 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)

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