

T61 BALANCE

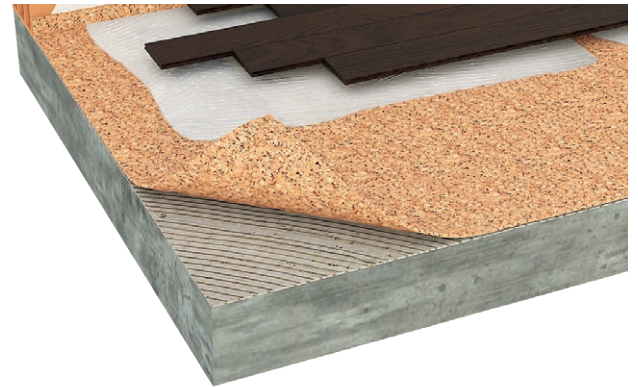
Agglomerated cork underlayment for impact noise and thermal insulation

PRODUCT SPECIFICATION

Resilient acoustic underlayment made of agglomerated cork with PU (polyurethane) elastomer bonding agent for impact noise insulation for ceramic, natural stone and wood-based floors, with a density up to 220kg/m³.

KEY FEATURES

- ▶ Impact noise reduction and thermal insulation properties
- ▶ High durability and long term resilience
- ▶ High performance with reduced thickness
- ▶ Tested according to MMFA/EPLF requirements group 1
- ▶ Natural material



PHYSICAL AND MECHANICAL PROPERTIES

Specific Weight (kg/m ³ lb/ft ³) ①	150–220 9–14
Tensile Strength (kPa) ①	> 200
Compression at 0.7MPa (%) ①	30–50
Recovery after 0.7MPa (%) ①	> 70

① ISO 7322

TECHNICAL PROPERTIES

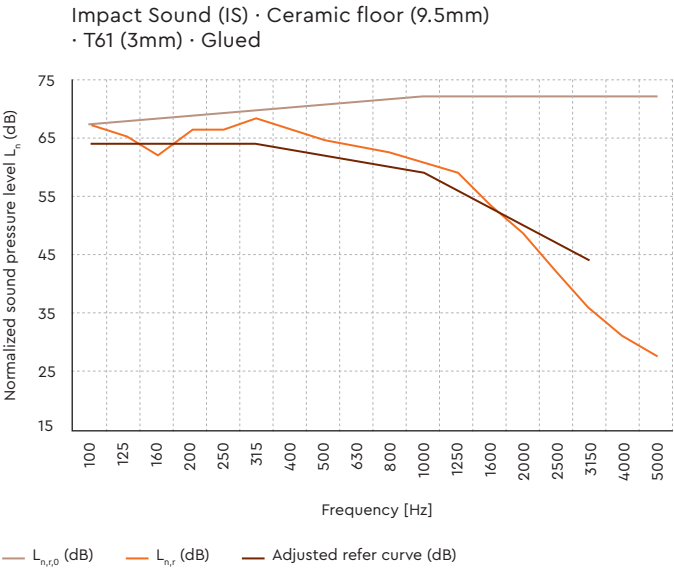
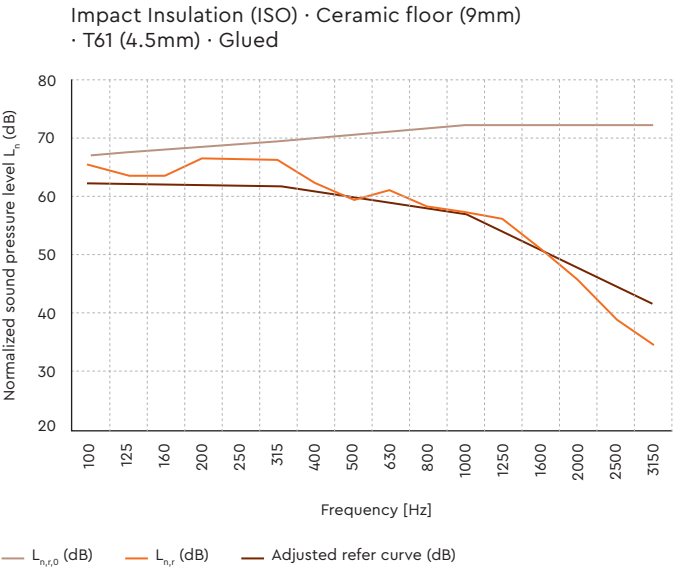
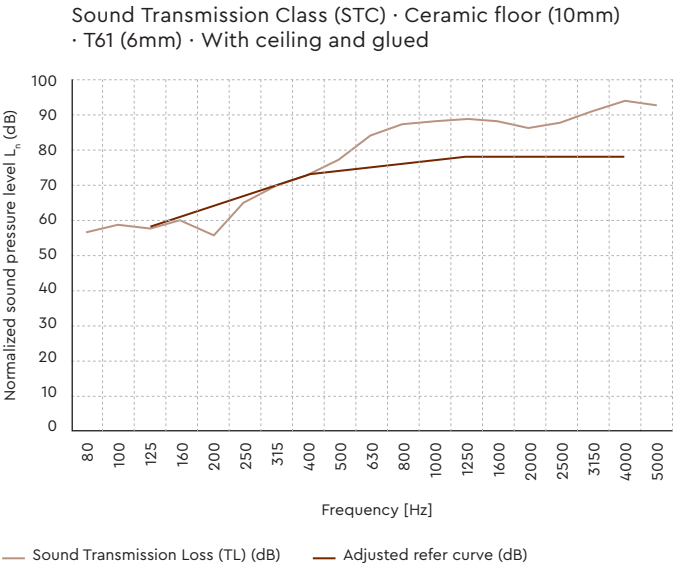
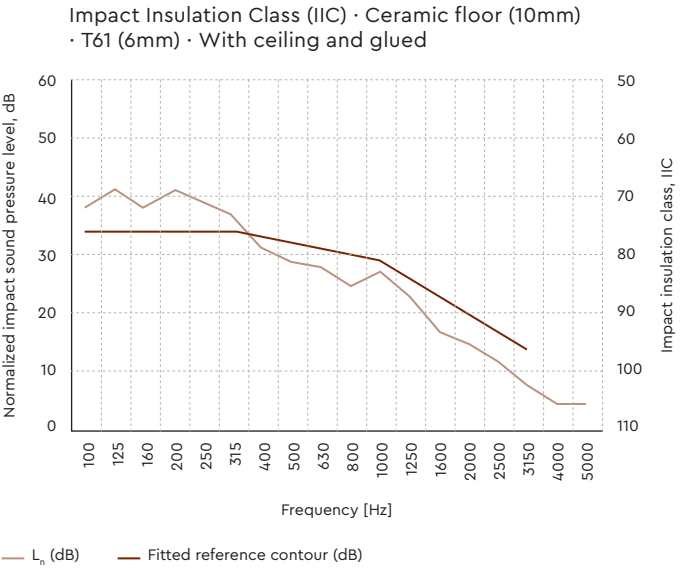
Flooring	Ceramic/Natural Stone		Wood				
Thickness	mm	6.0	6.0	3.0	3mm perforated	2.5/1.5 mm profile	2.0 mm
Thermal Resistance (TR) ①	m ² .°C/W	0.137	0.137	0.069	—	—	0.046
Floor Durability							
Punctual Conformability (PC) ①	mm	NA	> 1.0	> 0.5	NA	NA	> 0.5
Compressive Strength (CS) ①	kPa	NA	> 60	> 200	NA	NA	> 200
Compressive Creep (CC) ①	kPa	—	—	—	—	—	TBD
Water Vapor Resistance (SD) ①	m	NA	—	—	—	—	> 75
Vapor Barrier		NA	○	○	○	○	●

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

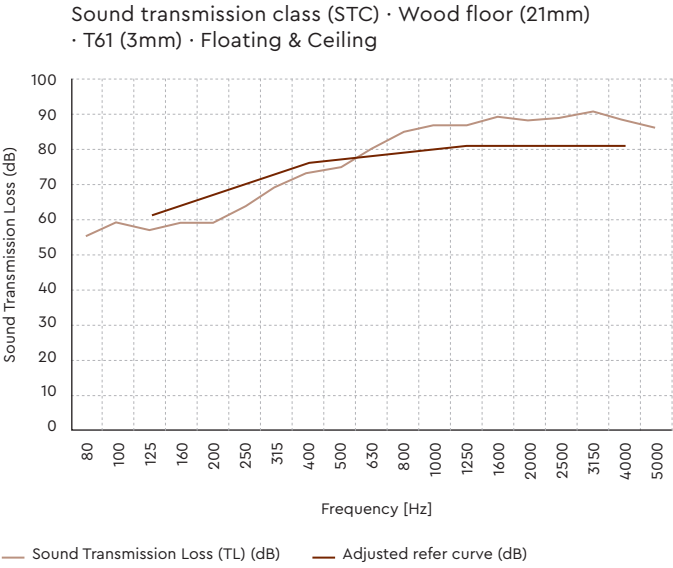
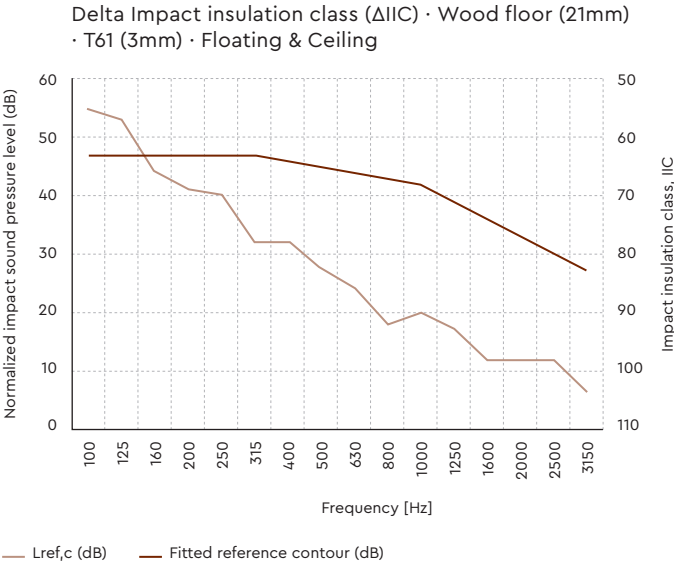
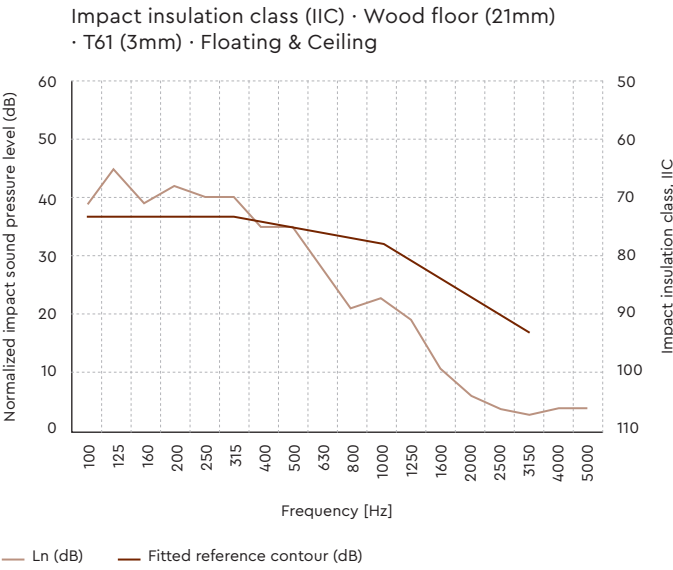
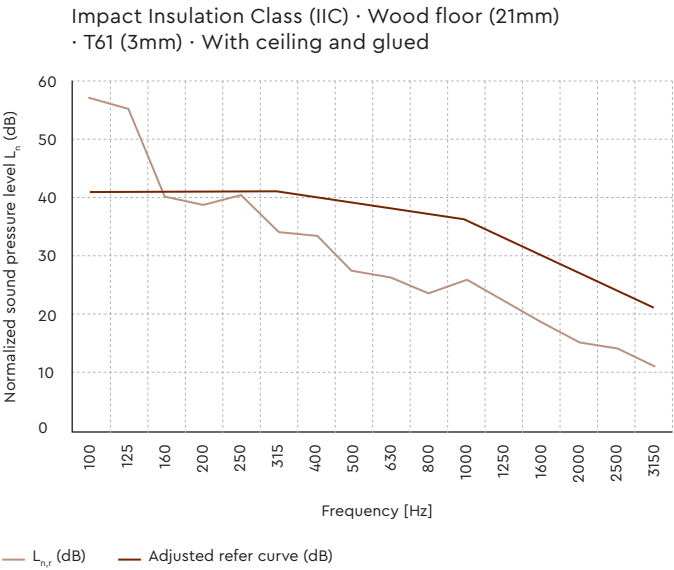
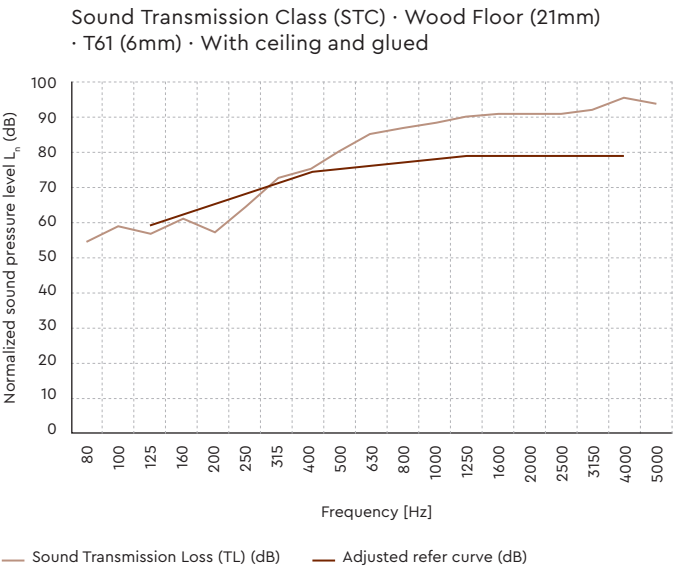
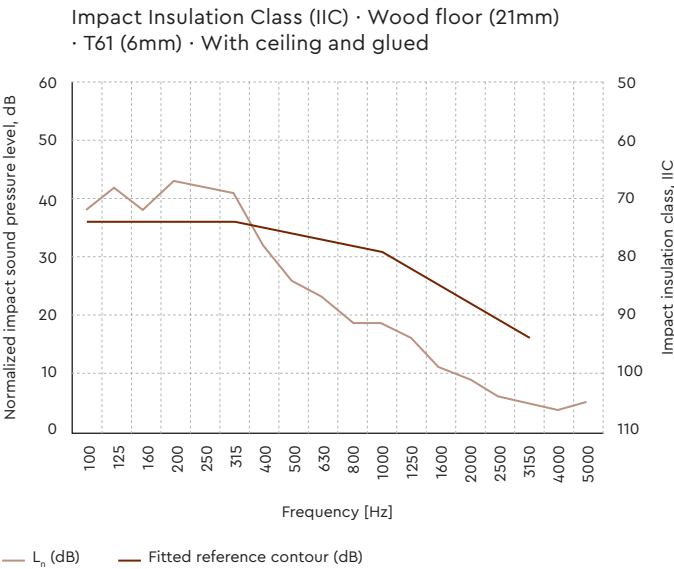
ACOUSTIC RESULTS

Flooring	Ceramic				Wood					Engineered wood	Wood/cork laminate
Flooring Thickness	mm	10	9	9.5	21	21	23	21	21	15	12
Underlayment Thickness	mm	6	4.5	3	6	3	3	3	2	3 perforated	2.5/1.5
Impact Insulation (IS) ①	dB (ISO)	—	18	16	—	39	16	—	—	18	20
Impact Insulation IIC ΔIIC ②	dB (ASTM)	78 —	— —	— —	76 —	— —	— —	75 37	76 38	— —	— —
Sound Transmission (STC) ③	dB (ASTM)	74	—	—	75	—	—	77	77	—	—
System (Glued Floating)		Glued	Glued	Glued	Glued	Glued	Glued	Floating		Glued	Floating
System (Ceiling)		●	○	○	●	●	○	●	○	○	○

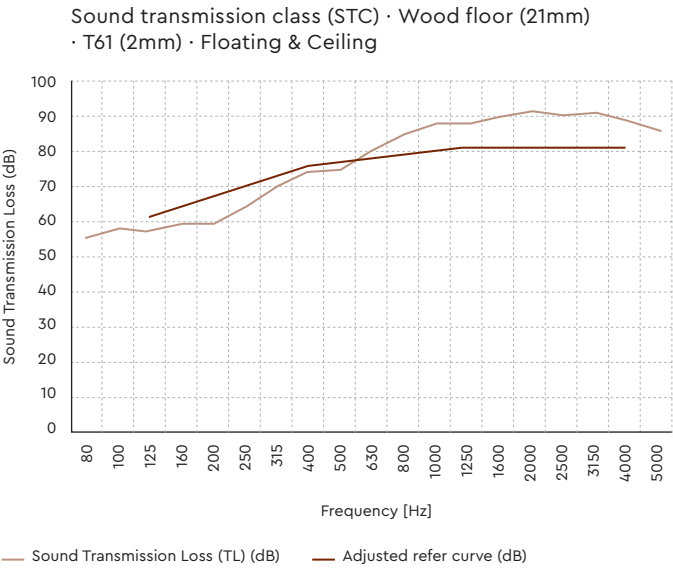
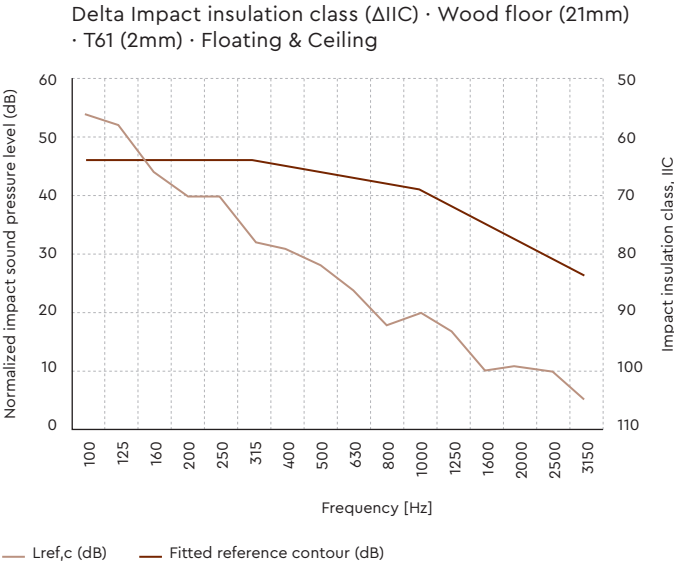
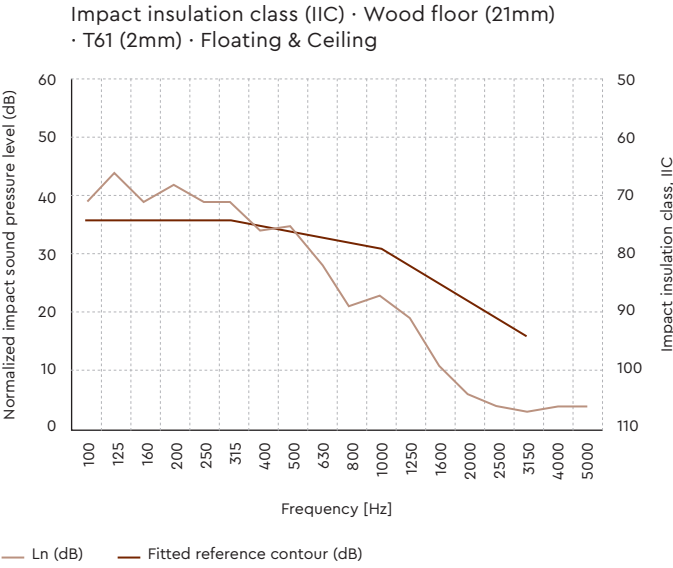
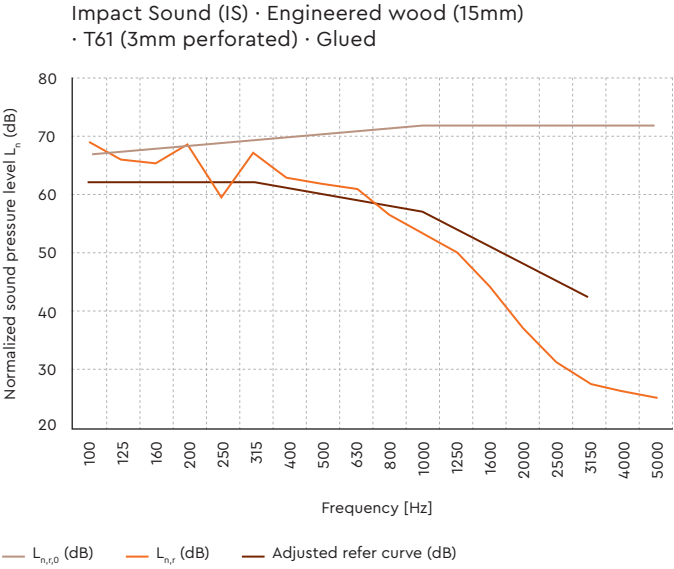
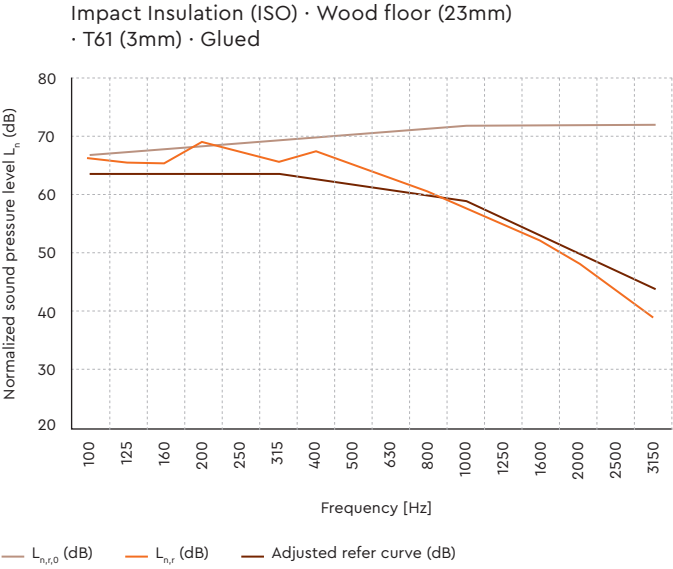
① Standard ISO 717-2:2013 ② Standard ASTM E413 ③ Standard ASTM E989-89 ● Yes ○ No



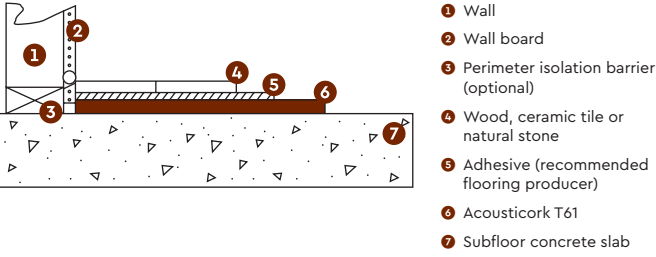
ACOUSTIC RESULTS



ACOUSTIC RESULTS



TEST APPARATUS (ΔL_w)



INSTALLATION

NON GLUED FLOOR



- 1 Reinforced concrete slab
- 2 Adhesive
- 3 Agglomerated cork resilient layer – Acousticork T61
- 4 Floor covering composed by glued down wood, ceramic or nature stone

*Product images and illustrations are for illustrative purposes only.

GLUED FLOORS



- 5 Perimeter insulation barrier (optional)
- 6 Floor covering composed by non glued wood floor
- 7 Vapor Barrier (for wood based flooring)
- 8 Adhesive (optional)

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

Ceramic to Acousticork: Flexible Cement Glue.

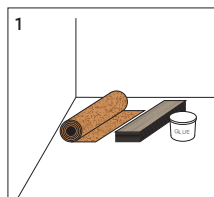
Important Notes

Never mechanically fasten the Acousticork T61 to the flooring floor as this will severely diminish its acoustical value.

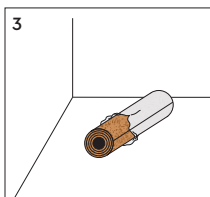
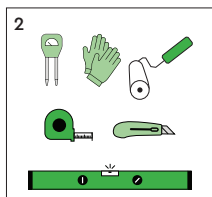
For more detailed installation instructions, please contact us.

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

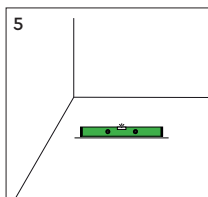
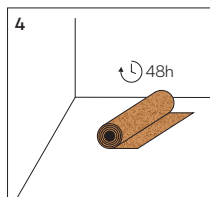
APPLICATION PROCESS · GLUED FLOOR



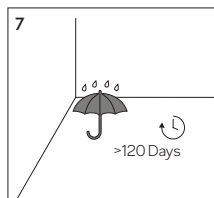
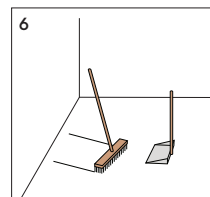
These are all the materials needed to install the underlayment.



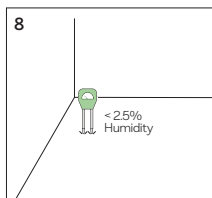
For the installation process, open the packaging 48 hours in advance and leave for acclimatization



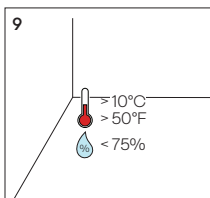
Subfloor preparation: Make sure that the subfloor is leveled, dry, clean and in good structural conditions.



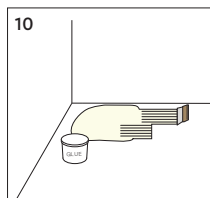
New concrete slabs must be left to cure for 120 days before installation.



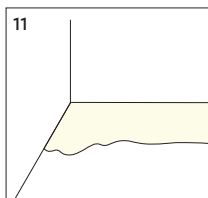
The humidity content of the substrate is critical: it must not exceed 2.5 % (MC).



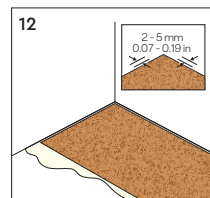
Air temperature should be above 10°C and air humidity below 75%.



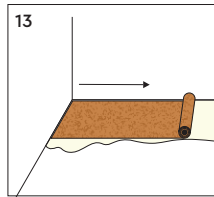
Optional step: apply the glue using a trowel. The installation of a moisture barrier is not necessary.



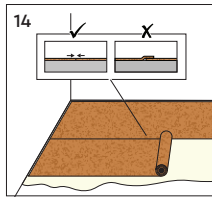
Optional step: we recommend the use of an adequate glue for the flooring to be installed.



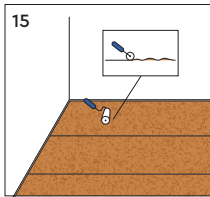
Install the underlayment directly on the adhesive, leave a space between the wall and the underlayment.



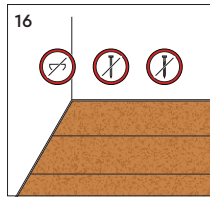
The underlayment should be installed in a perpendicular direction that you plan to install the final floor.



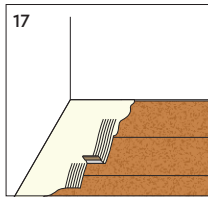
The underlay must cover the entire area without any gaps nor overlaps.



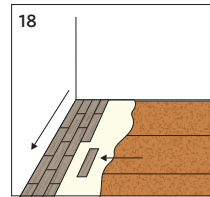
Use the paint roller to make sure the underlayment doesn't have any waves.



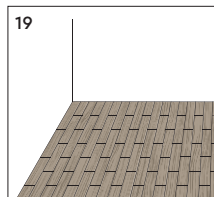
Never mechanically secure the underlayment with screws, nails or staples, since this may undermine its effectiveness.



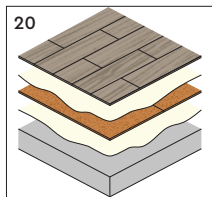
Apply the same glue on the underlayment.



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.



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

TECHNICAL DATA SHEET T61 BALANCE

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