

T66

Material Data Sheet

NON GLUED LAMINATE FLOORS		$\Delta L_w = 19\text{dB}$
GLUED DOWN WOOD FLOORS		$\Delta L_w = 16\text{dB}$
CERAMIC OR NATURAL STONE FLOORS		$\Delta L_w = 18\text{dB}$
LVT		$\Delta L_w = 19\text{dB}$

Produced from Recycled and Natural Materials
 Impact Noise Reduction and
 Thermal Insulation Properties
 High Durability and Long Term Resilience
 High Performance with Reduced Thickness



PRODUCT DESCRIPTION

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



THERMAL PROPERTIES

Thermal Conductivity: 0,08 W/mK ⁽¹⁾

⁽¹⁾ISO 8301



PHYSICAL AND MECHANICAL PROPERTIES

Specific Weight ⁽¹⁾	Tensile Strength ⁽¹⁾	Compression at 0,7MPa ⁽¹⁾	Recovery after 0,7MPa ⁽¹⁾
600 - 700 Kg/m ³	> 800 KPa	15%	> 75%

⁽¹⁾ISO 7322



ACOUSTICAL RESULTS

Flooring	Thickness (mm)	ΔL_w (dB) ⁽¹⁾	IIC (dB) ⁽²⁾
Non Glued Laminate	3	19	47
Glued Down Wood	3	16	50
Ceramic (or Natural Stone)	3	16	51
	4,5	18	52
LVT	3	19	51

⁽¹⁾ISO 10140-3 and ISO 717-2 • ⁽²⁾ASTM E492-09 & ASTM E989-06



STANDARD DIMENSIONS

Thickness (mm)	3	4,5
Width (m) x Length (m)	1 x 10	1 x 10

Others sizes available upon request



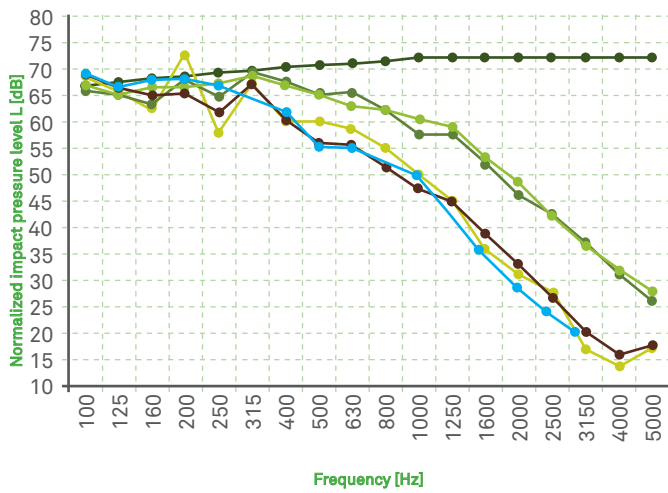
CASTOR CHAIR RESISTANCE

Pass ⁽¹⁾

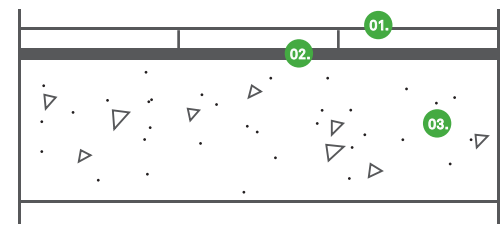
⁽¹⁾EN425-2002



ACOUSTICAL RESULTS
 Test procedure according to ISO 10140-1:2010; ISO 10140-3:2010; ISO 10140-4:2010 and ISO 717-2:2013 standards.



TEST APPARATUS (ΔL_w & IIC)

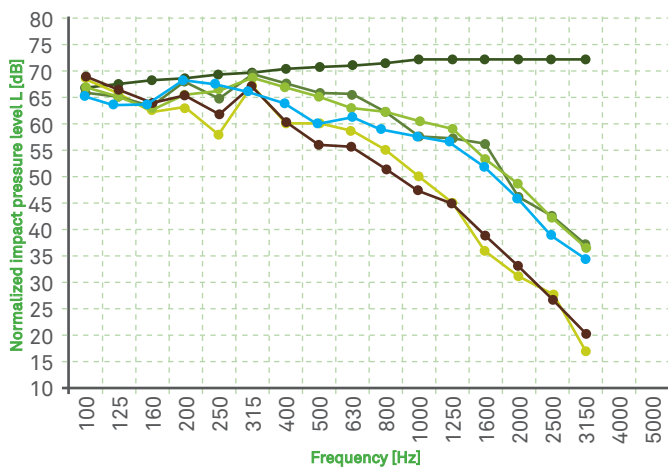


- 01.** Floor covering composed by glued down wood, non glued laminate floor or ceramic or natural stone tiles
- 02.** Agglomerated cork and recycled rubber resilient layer - T66
- 03.** Reinforced concrete slab of thickness 140mm

$L_{n,r}$ - Normalized impact sound pressure level of the reference floor with the floor covering under test;
 $L_{n,r,0}$ - Normalized impact sound pressure level of the Lab reference floor;
 ΔL_w - Impact sound pressure level reduction index of the covering under test, on a normalized floor;

Ref. Test Report	Thickness	Flooring	$L_{n,r,W}(C_{L,r})$	$\Delta L_w(C_{L,\Delta})$
ACU 337/11	3mm	Non Glued Laminate	59 (2) dB	19 (-13) dB
ACL 127/15	3mm	Glued Down Wood	62 (0) dB	16 (-11) dB
ACL 203/14	3mm	Ceramic (or Natural Stone)	62 (-1) dB	16 (-10) dB
ACL 063/17	4,5mm		60(-1) dB	18 (-10) dB
ACL 199/14	3mm	LVT	59 (0) dB	19 (-11) dB

ACOUSTICAL RESULTS
 Test procedure according to ISO 10140-1:2010; ISO 1040-3:2010 and ISO 10140-4:2010 standards.
 Normalized impact sound pressure level and IIC rating determined according ASTM E492-09 and ASTM E989-06 standards.



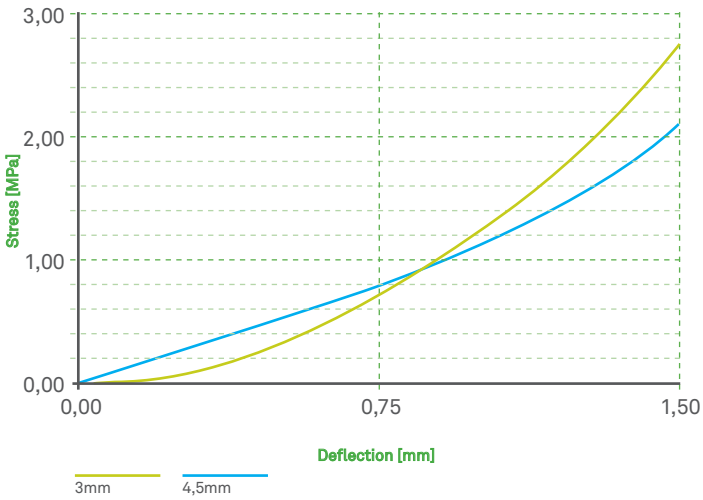
$L_{n,r}$ - Normalized impact sound pressure level of the reference floor with the floor covering under test;
 $L_{n,r,c}$ - Normalized impact sound pressure level of the Lab reference floor;

Thickness	Flooring	IIC _c
3 mm	Non Glued Laminate	47 dB
3 mm	Glued Down Wood	50 dB
3 mm	Ceramic (or Natural Stone)	51 dB
4,5 mm		52 dB
3 mm	LVT	51 dB

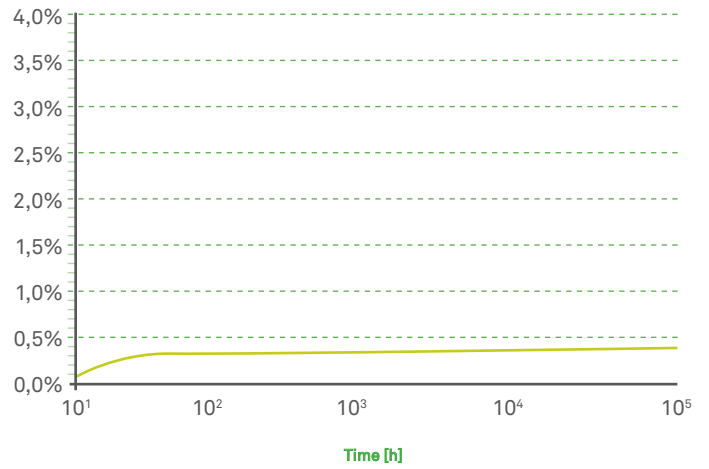


PHYSICAL AND MECHANICAL PROPERTIES

LOAD DEFLECTION



CREEP DEFLECTION @ 0,0045MPa (% OF START HEIGHT)



Note: Following ISO8013-1998 measured in Cantilever Test System

DYNAMIC STIFFNESS

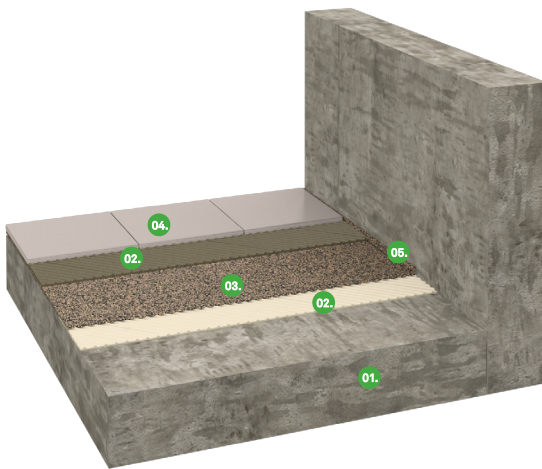
Test procedure according ISO 9052-1 and ISO 7626-5 standards.

Thickness (mm)	Dynamic Stiffness (MN/m ³)
3	98
4,5	152

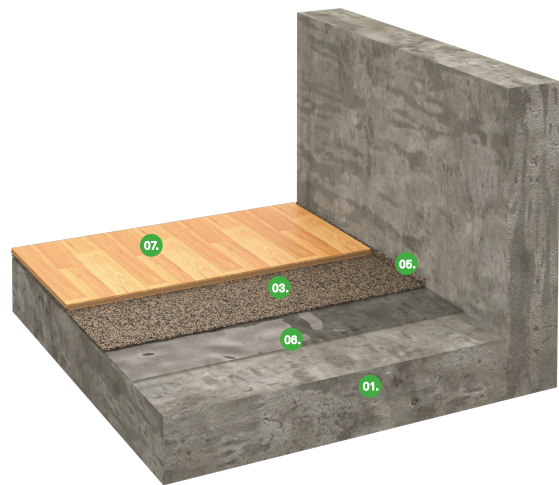


INSTALLATION

GLUED FLOORS



NON GLUED FLOORS



01.
Reinforced concrete slab

02.
Adhesive

03.
Agglomerated cork and recycled rubber resilient layer - T66

04.
Floor covering composed by glued down wood, ceramic or nature stone

05.
Perimeter insulation barrier

06.
Vapor barrier

07.
Floor covering composed by non glued laminate floor

NON GLUED LAMINATE FLOORS



$\Delta L_w = 19\text{dB}$

GLUED DOWN WOOD FLOORS



$\Delta L_w = 16\text{dB}$

CERAMIC OR NATURAL STONE FLOORS



$\Delta L_w = 18\text{dB}$

LVT



$\Delta L_w = 19\text{dB}$

T66 UNDERLAY

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 manufacturers.

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.

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 T66.

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 T66

Unpack the Acousticork T66 at least 24h before the installation and store it in the room where the installation will take place. Cut the T66 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 T66 should cover the entire flooring area without gaps and with joints butted tight and preferably taped.

Final Flooring

Always follow manufacturers recommended installation instructions.

Recommended Adhesives:

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

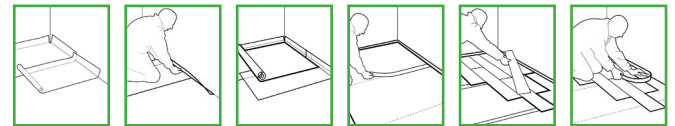
Vinyl and linoleum to Acousticork: Water-Based Emulsion/ Synthetic Resin Glue;

Ceramic to Acousticork: Flexible Cement Glue;

Acousticork to slab/screed: Water-Based Emulsion/ Acrylic Adhesives;

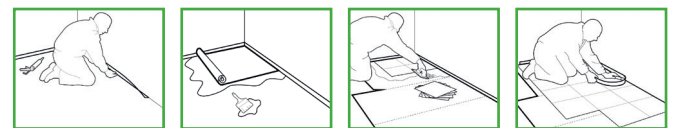
Application Process

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.

GLUED FLOORS:



1. Perimeter barrier application; 2. Underlay application (glued); 3. Final floor application (glued); 4. Perimeter insulation barrier cut.

Important Notes

Never mechanically fasten the Acousticork T66 to the flooring floor as this will severely diminish its acoustical value.

For detailed installation instructions, please contact us.