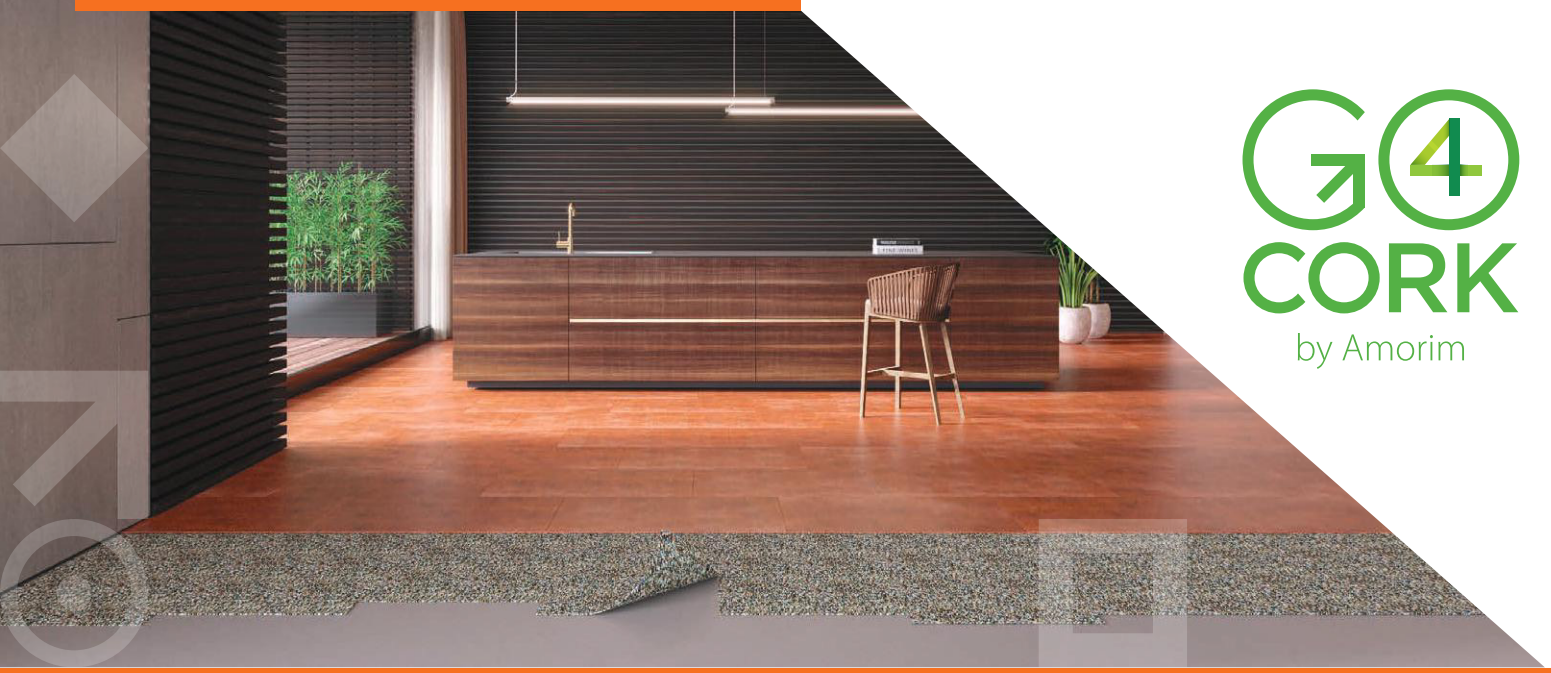


G4 CORK by Amorim

Underlay
UNIQUE VINYL

UNDERLAY FOR THERMAL
AND ACOUSTIC INSULATION

10m²

Dimension
1×10 m

Thickness
1,6 mm

TECHNICAL PROPERTIES

★★★★★
Reduction of impact noise

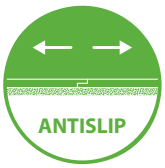
★★★★☆
Reduction of footfall noise

★★★☆☆
Thermal resistance

★★★★☆
Compensates for uneven floor

★★★★★
Protection from damage from falling objects

★★★★★
Load resistance



★★★★★

Material Description & Properties

Agglomerated cork&HD EVA underlay for resilient floors with good acoustic insulation and load resistance.

KEY FEATURES

- Highly resistant to residual indentation.
- Produced from Recycled and Natural Materials.
- Resistant against very heavy loads.
- Helps to protect LVT flooring from damage the click-system joints.
- Tested according to MMFA/EPLF higher requirements of group 2.

TECHNICAL DATA

TEST	REQUIREMENT	UNIT	RESULT
Punctual conformability (PC)	≥ 0,5	mm	≥ 1,0
Compressive strenght (CS)	≥ 400	kPa	≥ 400
Compressive creep (CC)	≥ 35	kPa	≥ 200
Impact sound (IS)	≥ 18	dB	21
Reflected walking sound (RWS)	–	%	TBD
Thermal Resistance (R)*	≤ 0,15	m²°C/W	0,015
Dynamic load (DL)	≥ 100 000	cycles	≥ 100 000

* Suitable for underfloor heating and cooling

THERMAL INSULATION

Thermal Conductivity [1]	0,1036 W/mK
Thermal Resistance	0,015 m^2°C/W

[1] EN 8301

ACOUSTICAL RESULTS

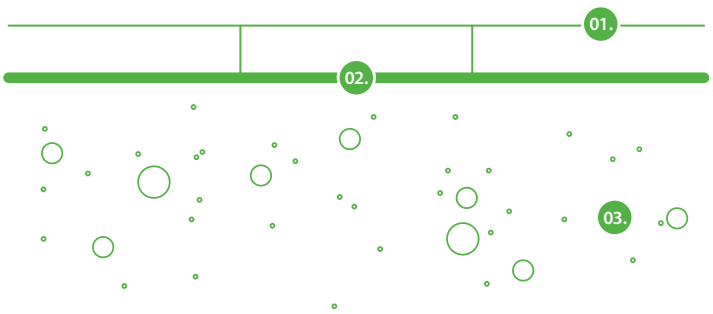
Flooring	Resilient Floor (LVT) - Hydrocork (6mm)
Thickness (mm)	1.6
ΔLw (dB) [1]	21

[1] ISO 10140-3 and ISO 717-2

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

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

TEST APPARATUS (ΔL_W)



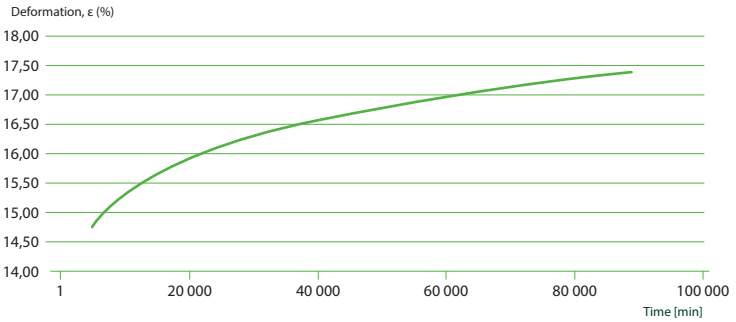
01. Floor covering composed by loose-lay or click system LVT

02. Agglomerated cork and recycled EVA resilient layer – Amorim UNIQUE

03. Reinforced concrete slab of thickness 140mm

PHYSICAL AND MECHANICAL PROPERTIES

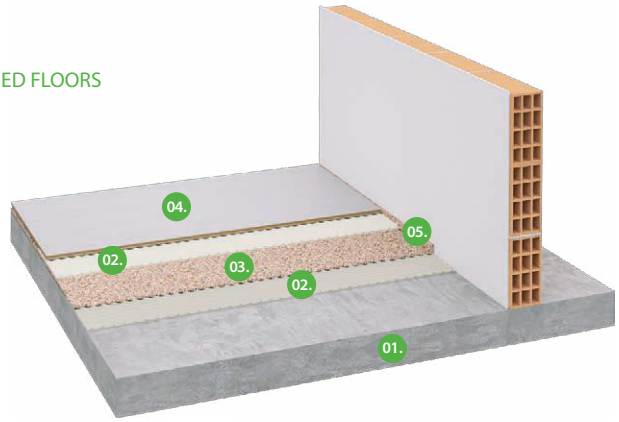
CREEP DEFLECTION @ 90 Kpa (% OF START HEIGHT)



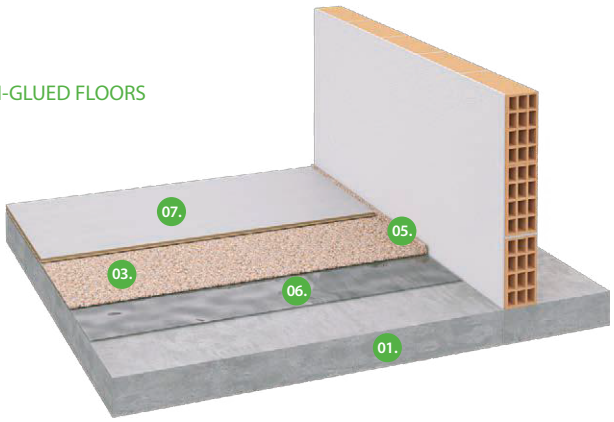
Note: Following ISO8013-1998 measured in Cantilever Test System

APPLICATION SCHEMES

GLUED FLOORS



NON-GLUED FLOORS



01. Reinforced concrete slab

02. Adhesive

03. Underlay GO4CORK UNIQUE

04. Floor covering composed of glued LVT

05. Perimeter insulation barrier

06. Vapour barrier

07. Floor covering composed of a non glued LVT

GENERAL INSTALLATION INSTRUCTIONS

GENERAL INSTALLATION INSTRUCTIONS (WITH AND WITHOUT GLUE)

The following installation instructions are recommended by Amorim Cork Solutions, and are not intended to be a definitive project specification. They should be interpreted and applied taking into account the recommendations of the manufacturers of the flooring to be installed, as well as the manufactures of the glue, should this be necessary.

1. PREPARATION OF THE SUBFLOOR

- The subfloor must be level, dry, clean and in good structural conditions. A floor is considered level if the deviation height is less than 2mm over a distance of 2.5 linear meters. Deviations above this value must be leveled out before underlay installation.
- The humidity content of the concrete substrate must not exceed 2.5 % (MC) by weight. Any moisture problems need to be solved before installation. New concrete slabs need to cure for at least 120 days before installation.
- The environmental conditions during the installation should be: temperature >10ºC and humidity <75%

2. INSTALLATION OF THE MOISTURE BARRIER

For floating floors you must first install a moisture barrier across the entire area of the room to minimize the risk of possible damage caused by rising damp, and then install the underlay. The barrier must be installed directly onto the surface of the subfloor, in the opposite direction you plan to install the final floor to reduce seams. This moisture barrier should have a minimum sd-value of 75 m. It should be installed following the outline of the enclosing wall, to a height of at least 30 mm and with a minimum overlap of 100mm using a suitable tape to seal seams. After finishing, the barrier must cover the entire subflboor area without any gaps. Never mechanically secure the barrier with screws, nails or staples as this may compromise its effectiveness.

3. INSTALLATION OF THE UNDERLAY

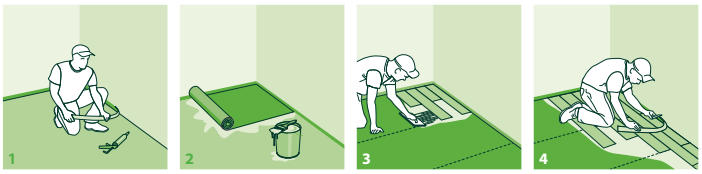
Place one roll of the underlay parallel to the wall and in the opposite direction you plan to install the final floor to reduce seams. Cut the underlay material roll to the desired length and install it directly, covering the entire surface of the room. The underlay must cover the entire area without any gaps, and be securely joined using duct tape. Never mechanically secure the underlay with screws, nails or staples as this may compromise its effectiveness. Install the flooring perpendicularly to the underlay. Always follow the flooring manufacturer's recommended installation instructions.

4. GLUED DOWN INSTALLATION

Before installing the underlay, apply the glue and make sure that the surface has been treated to prevent moisture. the installation of a moisture barrier is not necessary. After applying the glue, cut the underlay material roll to the desired length and install it directly, covering the entire surface. The underlay must cover the entire area without any gaps, and be securely joined using duct tape. Never mechanically secure the underlay with screws, nails or staples as this may compromise its effectiveness. Apply glue on the underlay and install the flooring perpendicularly to the underlay. Always follow the flooring manufacturer's recommended installation instructions.

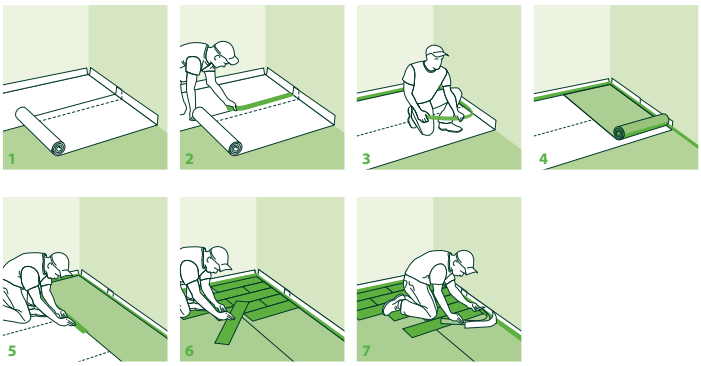
APPLICATION PROCESS

GLUED DOWN INSTALLATION



1. Installation of perimeter barrier; 2. Installation of underlay (glued);
3. Installation of final flooring (glued); 4. Cutting perimeter barrier.

FLOATING INSTALLATION



1. Installation of the moisture barrier; 2. Installation of the tape on the seams ;
3. Installation of perimeter barrier; 4. Installation of underlay; 5. Installation of the tape on joints between rolls; 6. Installation of final flooring; 7. Cutting perimeter barrier.

AMORIM CORK SOLUTIONS

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