MATERIAL DATA SHEET

GO4 CORK by Amorim

MADE WITH NIKE GRIND

Underlayment
BLEND with Nike Grind

UNDERLAYMENT WITH VAPOR BARRIER
FOR MOISTURE PROTECTION

100
SQUARE FEET ROLL

39.4" x 30'

1.8 mm

SUSTAINS UP TO 4X MORE WEIGHT THAN PE FOAM SOLUTIONS**

*Contains at least 35% Nike Grind
**According to standard EN16354

Material Description & Properties

Agglomerated cork & EVA underlayment for LVT, laminate and hardwood floor with good acoustic insulation, load resistance, and click protection.

KEY FEATURES

- 2 in 1 solution: Pre-attached vapor barrier for moisture protection
- Easy to install
- Anti-slip underlayment
- Suitable for heated floors
- Improves comfort under foot
- Long-lasting physical properties

KEY PROPERTIES

- Acoustic performance in accordance with the International Building Code (Division 9)
- Absorbs high imperfections of the concrete substrate
- Avoids telegraphy of the concrete sub-floor or previous floor (in refurbishment situations)

TECHNICAL DATA

TEST	REQUIREMENT	UNIT	RESULT
Density	–	lb/ft^3	20–27
Punctual conformability (PC)	≥ 0.5	mm	≥ 0.5
Compressive strenght (CS)	≥ 200	kPa	>200
Compressive creep (CC)	≥ 35	kPa	>100
Impact Insulation (IS)	–	dB ASTM | dB ISO	18 | 67
Sound transmission (STC)	–	dB	62
Thermal resistance (R)*	≤ 0.15	m^{2}K/W	0.024
Castor chair test	–	cycles	≥ 25 000
Moisture protection (SD)	≥ 75	m	>75

* Suitable for underfloor heating and cooling

THERMAL INSULATION

Thermal Conductivity [1]	0.1036 W/mK
Thermal Resistance [2]	0.024 (m^2K/W)

(1) EN 8301 (2) Suitable for underfloor heating and cooling

NEGATIVE CARBON BALANCE

Underlayment Blend Nike Grind has a negative carbon balance -5.6 kg CO_2eq/m^2 [1], when considering the CO_2 sequestration of the cork oak forest and the CO_2 emissions associated with the industrial process.

Has a carbon footprint 5x lower than a standard PE foam material.[2][3]

Requires 7x less environmental impact than a standard PE foam material.[2][3]

Consumes 6x energy than a standard PE foam material.[2][3]

(1) According to EY Underlayment Blend Nike Grind Footprint Analysis, 2021
(2) Benchmark uses standard market activities datasets for each product assuming same product area and thickness (volume), products density was provided by ACC.
(3) Assessed impacts are based on ecoinvent Version 3.5 database (2018). Comparison is not ISO 14044 compliant and results are not third party verified.

ACOUSTIC INSULATION RESULTS

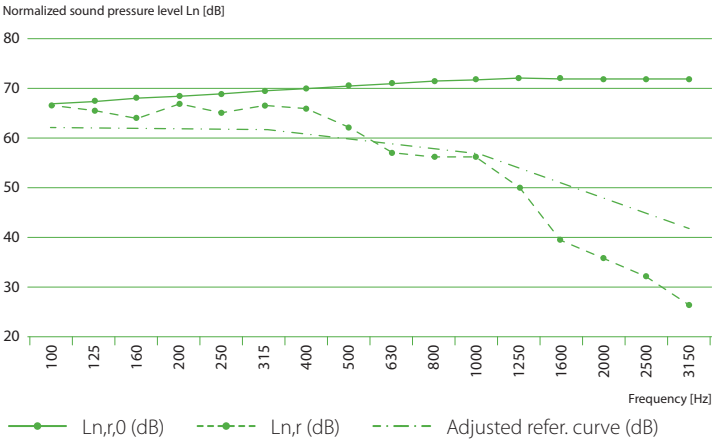
	Units	LVT				Laminate
Flooring thickness	mm	2	4	6.2	6.2	8
Underlayment thickness	mm	1.8	1.8	1.8	1.8	1.8
Impact insulation (IS) [1] [2]	dB (ASTM) | dB (ISO)	- | 18	- | 18	67 | -	53 | -	47 | -
Sound transmission (STC) [3]	dB (ASTM)	-	-	62	52	-
System	Glued | Floating	Glued	Glued	Floating	Floating	Floating
	Ceiling	No ceiling	No ceiling	with ceiling	No ceiling	No ceiling

(1) Standard ASTM E413 (2) Standard ISO 717-2:2013 (3) Standard ASTM E989-18

ACOUSTIC RESULTS DETAILED

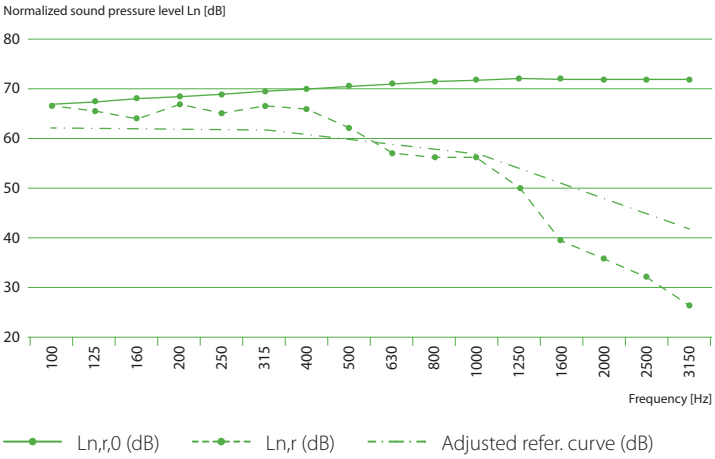
LVT (2mm)

Test procedure according to ISO 10140 & ISO 717



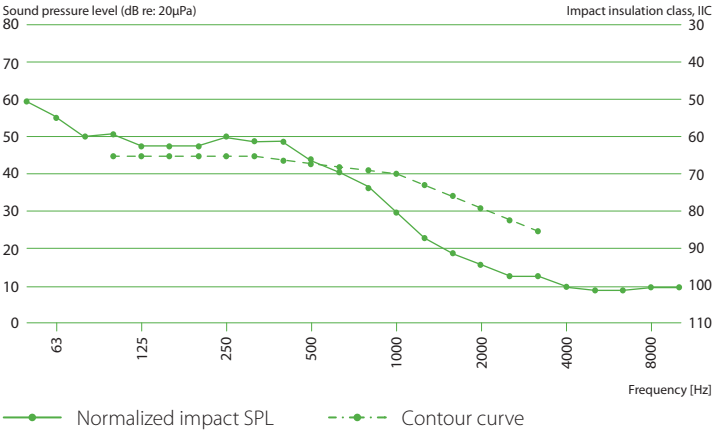
LVT (4mm)

Test procedure according to ISO 10140 & ISO 717



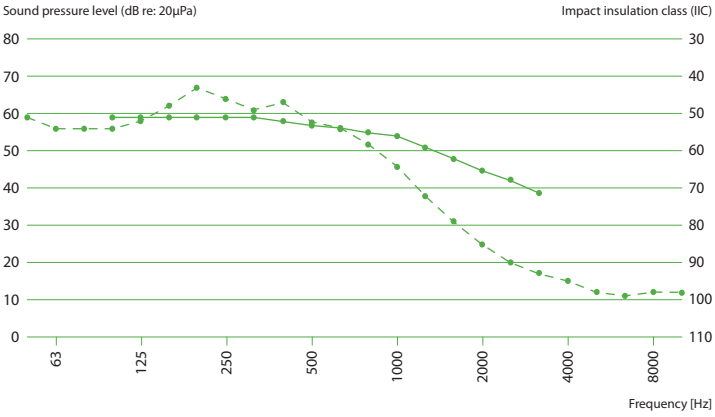
LVT (6.2mm) with ceiling

Test procedure according to ASTM E 492-09 & E 989-18



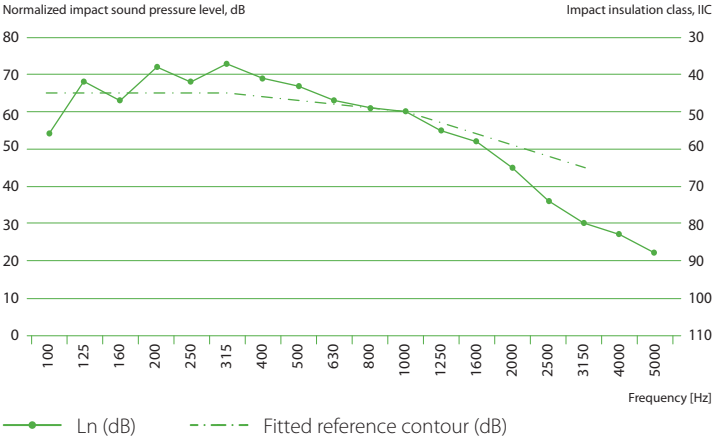
LVT (6.2mm)

Test procedure according to ASTM E 492-09 & E 989-18



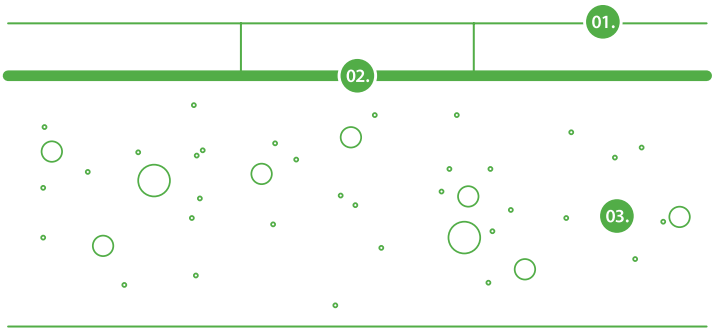
Laminate (8mm)

Test procedure according to ASTM E 492-09 & E 989-18



$L_{n,r,0}$ 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 FOR ACOUSTIC TESTS (NON-GLUED | NO CEILING)

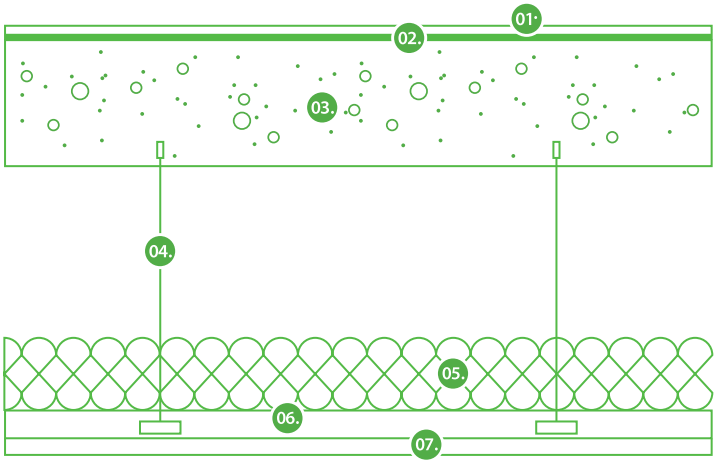


01.
Floor covering composed by loose-lay or click system LVT

02.
Agglomerated cork and recycled EVA resilient layer – Blend with Nike Grind

03.
Reinforced concrete slab of thickness 140mm

TEST APPARATUS FOR ACOUSTIC TESTS (NON-GLUED | WITH CEILING)



01.
Floor topping

02.
Underlayment

03.
Concrete slab

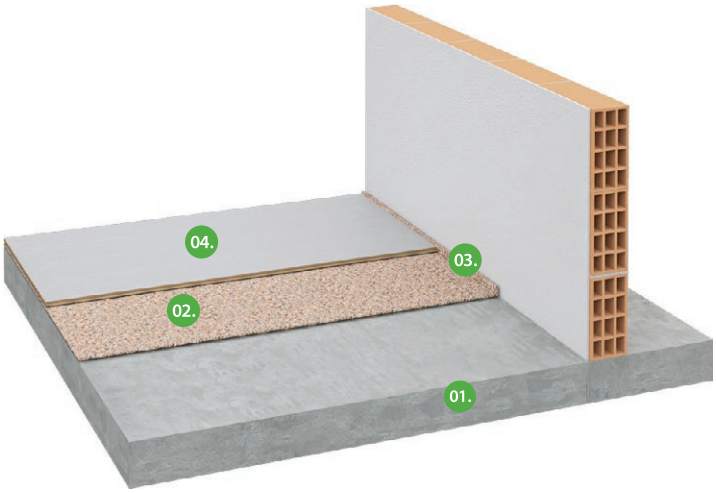
04.
Hanger wire

05.
Insulation

06.
Ceiling grid

07.
Ceiling

APPLICATION SCHEMES (NON GLUED FLOORS - ADVISED INSTALATION SYSTEM)



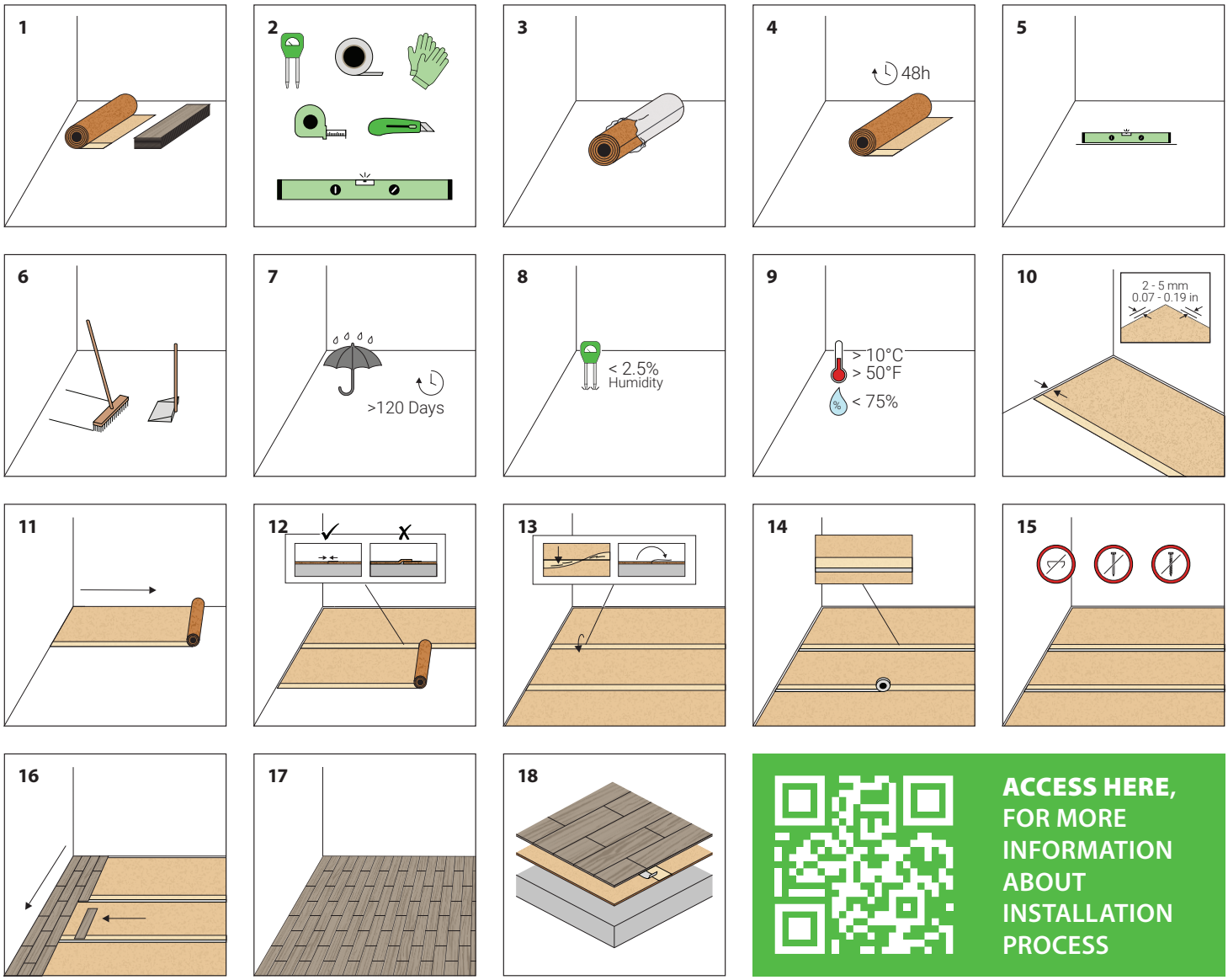
01.
Reinforced concrete slab

02.
Underlayment Blend with Nike Grind and integrated vapor barrier

03.
Perimeter insulation barrier

04.
Floor covering composed of a non glued floor

INSTALLATION PROCESS FOR NON GLUED FLOORS



ACCESS HERE, FOR MORE INFORMATION ABOUT INSTALLATION PROCESS

1–2 These are all the materials needed to install the underlayment.
3–4 For the installation process, open the packaging 48 hours in advance and leave for acclimatization
5–6 Subfloor preparation: Make sure that the subfloor is leveled, dry, clean and in good structural conditions.
7 New concrete slabs must be left to cure for 120 days before installation.
8 The humidity content of the substrate is critical: it must not exceed 2.5 % (MC).
9 Air temperature should be above 10°C and air humidity below 75%.
10 The underlayment should be installed in a perpendicular direction to the final floor. Leave a little space between the wall and the underlayment.
11 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.
12 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.
13 Make sure the foil overlap the row parallel.
14 Use a sealing tape to seal the rows securely together.
15 Never mechanically secure the underlayment with screws, nails or staples, since this may undermine its effectiveness.
16 Install the flooring in a perpendicular direction to the underlayment.
17 Always follow the flooring manufacturer's recommended installation instructions.
18 Total System.

floor score
SCScertified

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C

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