



Underlayment BLEND with Nike Grind

UNDERLAYMENT WITH VAPOR BARRIER
FOR MOISTURE PROTECTION

100
SQUARE FEET ROLL



**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	>400
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 ² K/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 CO₂eq/m² ⁽¹⁾, when considering the CO₂ sequestration of the cork oak forest and the CO₂ 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 Amorim Cork Solutions.

⁽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

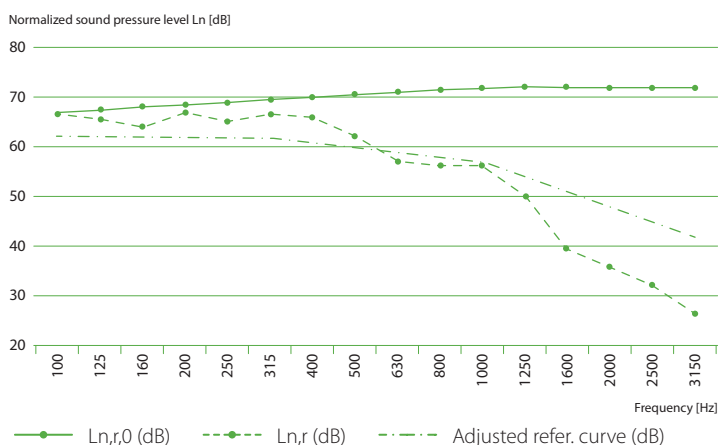
	Units	LVT				SPC ⁽⁴⁾		Laminate
Flooring thickness	mm	2	4	6.2	6.2	5.5	7.0	8
Underlayment thickness	mm	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Impact insulation (IS) ^{(1) (2)}	dB (ASTM) dB (ISO)	- 18	- 18	67 -	53 -	- 17 ⁽⁵⁾	- 18 ⁽⁵⁾	47 -
Sound transmission (STC) ⁽³⁾	dB (ASTM)	-	-	62	52	-	-	-
System	Glued Floating	Glued	Glued	Floating	Floating	Floating	Floating	Floating
	Ceiling	No ceiling	No ceiling	With ceiling	No ceiling	No ceiling	No ceiling	No ceiling

(1) Standard ASTM E413 (2) Standard ISO 717-2:2013 (3) Standard ASTM E989-18 (4) Hydro Natural (5) ISO 1625-1

ACOUSTIC RESULTS DETAILED

LVT (2mm)

Test procedure according to ISO 10140 & ISO 717



LVT (4mm)

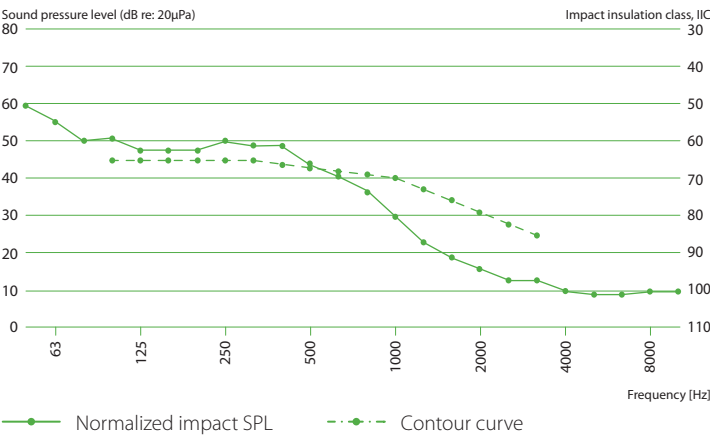
Test procedure according to ISO 10140 & ISO 717



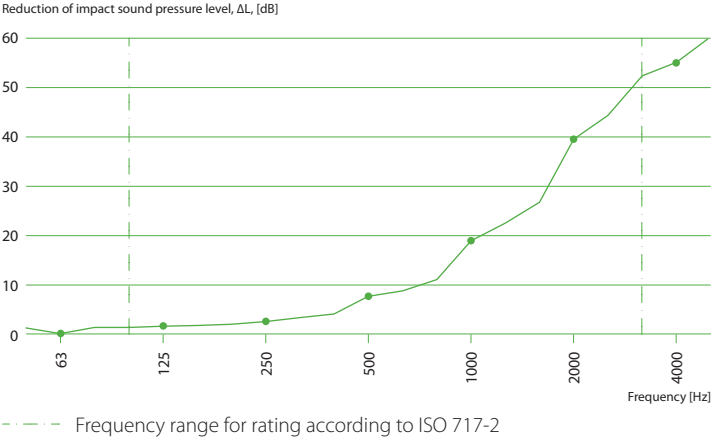
ACOUSTIC RESULTS DETAILED

LVT (6.2mm) with ceiling

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

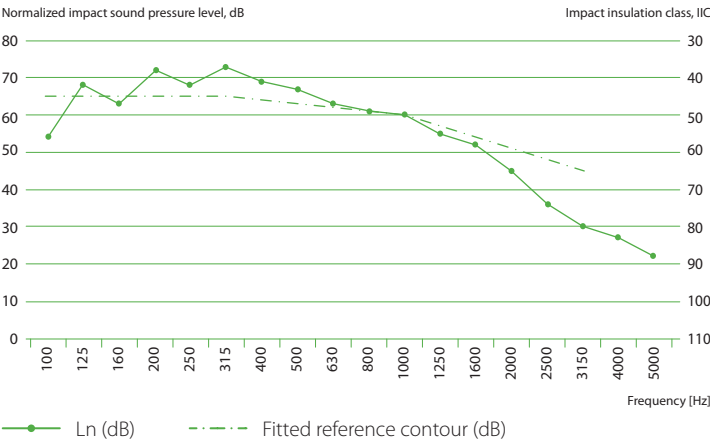


SPC (5.5mm)

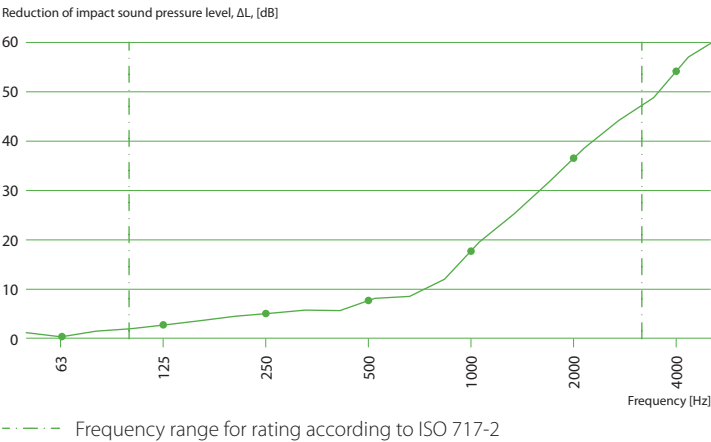


Laminate (8mm)

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

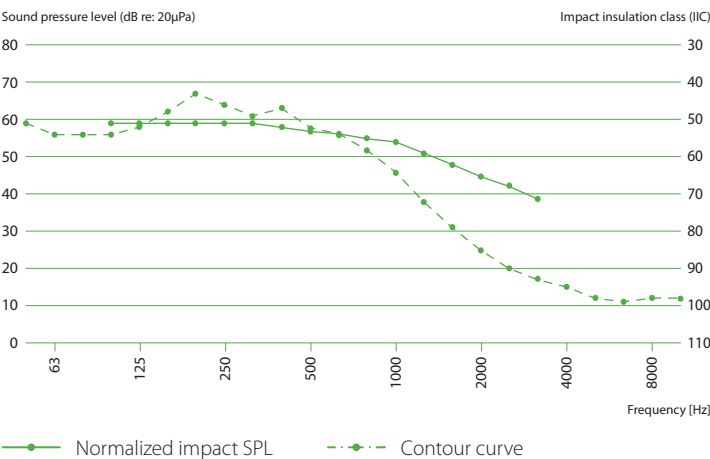


SPC (7.0mm)



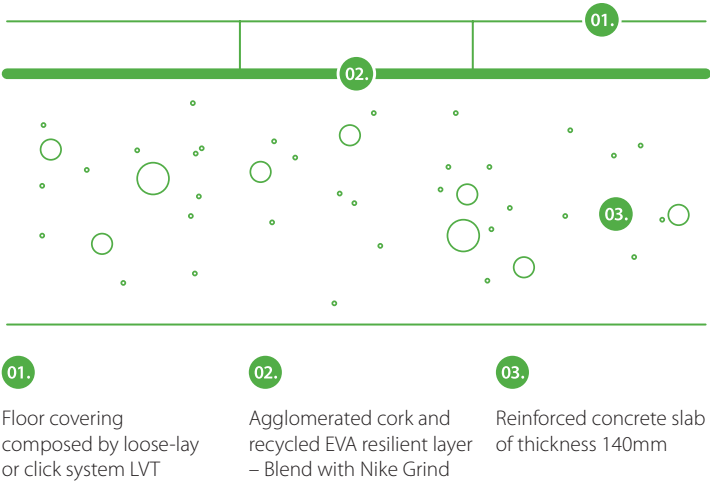
LVT (6.2mm)

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



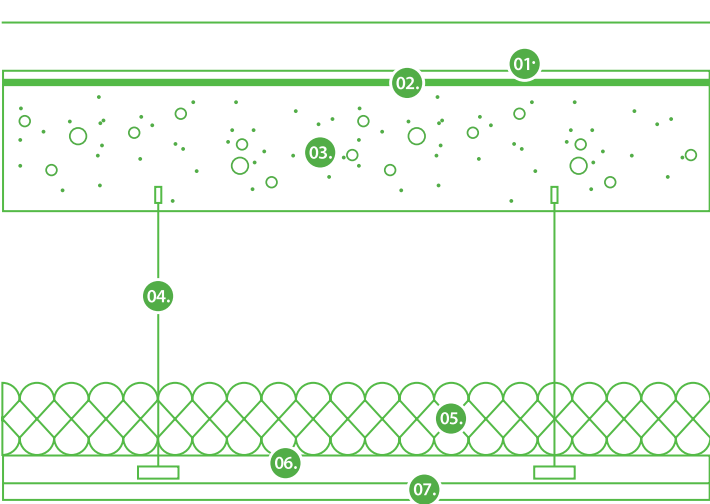
Normalized impact sound pressure level of the Lab reference floor.
Normalized impact sound pressure level of the reference floor with the floor covering under test.
Impact sound pressure level reduction index of the covering under test, on a normalized floor.

TEST APPARATUS FOR ACOUSTIC TESTS (NON-GLUED | NO CEILING)



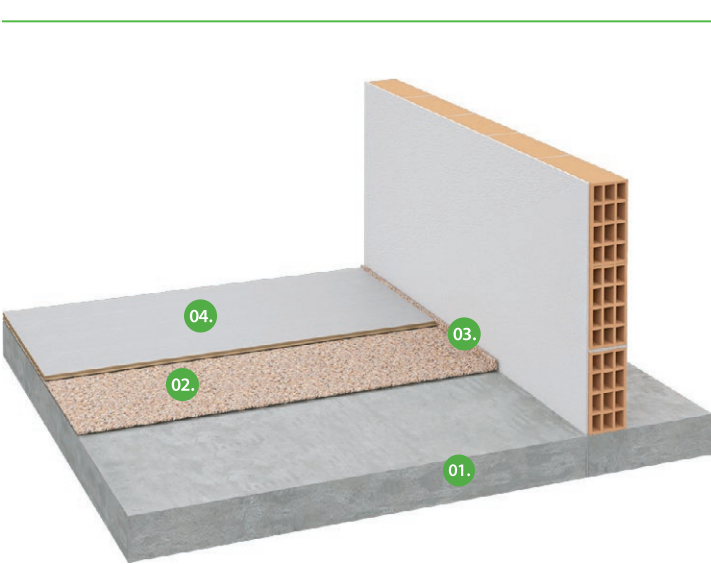
01.
Floor covering
composed by loose-lay
or click system LVT
02.
Agglomerated cork and
recycled EVA resilient layer
– Blend with Nike Grind
03.
Reinforced concrete slab
of thickness 140mm

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



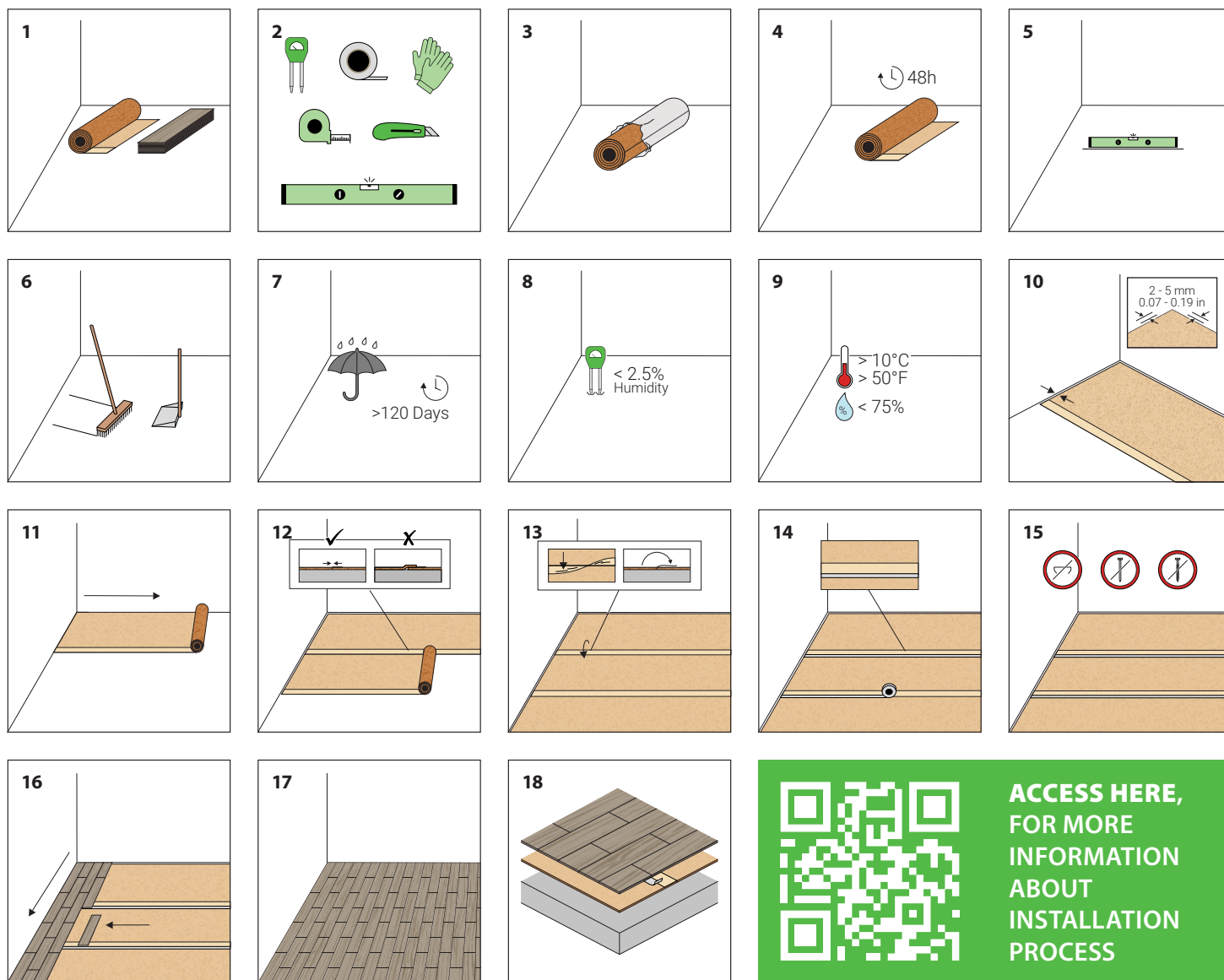
01.
Floor topping
02.
Underlayment
03.
Concrete slab
04.
Hanger wire
05.
Insulation
06.
Ceiling grid
07.
Ceiling

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



- 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.

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CORK
SOLUTIONS**



**ACCESS HERE,
FOR MORE
INFORMATION
ABOUT
INSTALLATION
PROCESS**



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