HUNTON

INSTALLATION INSTRUCTIONS

SILENCIO® UNDERLAY

4 / 6 / 8 /12

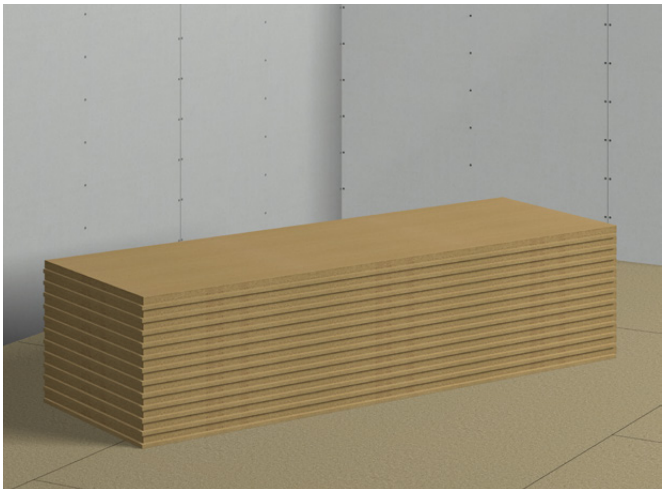
02/2021

SILENCIO® UNDERLAY

1 Before getting started

Acclimatise the Silencio panels indoors on a level surface for 48 hours. The panels should not be stored outdoors. Humidity (RH) in the room should not exceed 60% when installing Silencio.

Before proceeding, it is very important that you read these installation instructions in their entirety. You should also read the installation instructions for the other products included in the construction process.



2 Subfloor/substrate

Surface deviation according to EN 3420-1 and SINTEF Building Research Design Guide 541.505
Laying of parquet flooring

Type tolerance	Measurement length m	Tolerance Class PB Normal Requirements
		Normal requirements for parquet and tiles
Total levelness	Entire part-product	± 10mm
Local levelness (depressions and bulges)	2.0	± 3mm
	1.0	± 2mm
	0.25	± 1mm

On timber floors, the subfloor must be 22mm chipboard or equivalent. Grooved chipboard shall not be used in combination with Silencio.

Where Silencio is laid onto floorboards, an underlay at least 9mm. thick should be used.

On concrete, a vapour barrier at least 0.2mm thick must be used under Silencio.

The substrate/subfloor must be clean and dry.

3 Partitions

Partitions must be constructed on the supporting subfloor and not on top of Silencio.

4 Type of top flooring

See also floor manufacturer's instructions for surface off subfloors.

	Type of Silencio	Laminate flooring	Laminate w/ foam underlay	Parquet ≥ 14mm	Covering/ carpets	Vinyl click flooring	Tiles/slate
Light weight floor con-struction	Impact noise panel 24/36mm	Fermacell 10mm straight edge	Fermacell 10mm straight edge	Fermacell 10mm straight edge	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge or screed
	Parquet substrates 4/6/8/ 12mm	√	Fermacell 10mm straight edge	√	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge or screed
	Silencio Thermo 24/36mm	Fermacell 10mm straight edge	Fermacell 10mm straight edge	Fermacell 10mm straight edge	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge screed
Heavy weight floor con-struction	Impact noise panel 24/36mm	Fermacell 10mm straight edge	Fermacell 10mm straight edge	√	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge screed
	Parquet substrates 4/6/8/ 12mm	√	Fermacell 10mm straight edge	√	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge screed
	Silencio Thermo 24/36mm	Fermacell 10mm straight edge	Fermacell 10mm straight edge	√	Chipboard 15mm w/tongue and groove	Fermacell 10mm straight edge	Cross glued laminated 2 x Fermacell 10mm straight edge screed

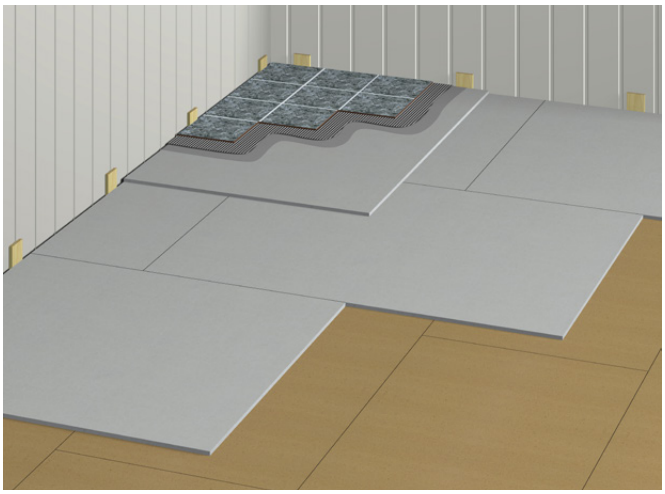
Floor gypsum boards may be used instead of Fermacell Gypsum fibreboard.

Laminate: Laminate can be laid directly on the Silencio parquet substrate 4, 6, 8 and 12. Laminate with underlying damping layer must have a pressure-distributing panel, e.g. Fermacell gypsum fibreboard 10mm.

Parquet: Parquet with a thickness of minimum 14mm can be laid directly on all varieties of Silencio Parquet substrates.

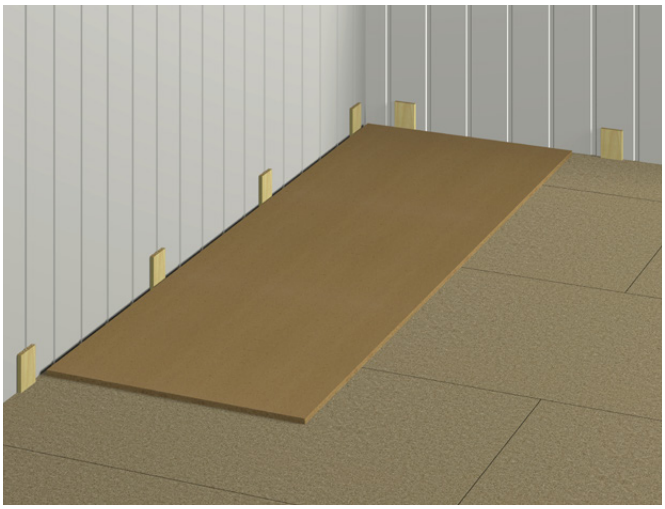
Tiles/slate: Should be mounted on top of two layers of Fermacell gypsum fibreboard with straight edge or the like, which is cross-laid and glued together with suitable adhesive. The panels must be laid floating on Silencio® with a distance to the walls as described in section 5. Suitable screed may also be used, provided that a 0.2 mm plastic film is installed between Silencio and the screed, also refer to the supplier's instructions.

Heating: Heating foil, electric underfloor heating mats with the cable fixed on a grid with fixed centre-to-centre distance, and self-limiting heating units are approved for direct installation on Silencio, if the product is approved for use on a flammable material and does not exceed 60 W/m^2. Also refer to the top floor supplier.



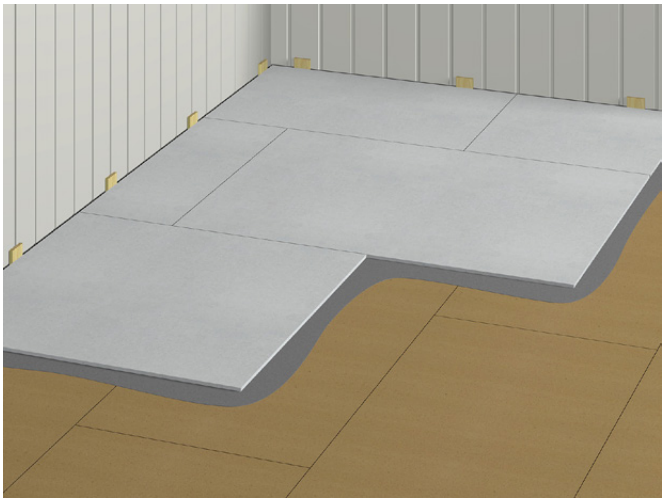
5 Laying of Silencio 4/6/8/12

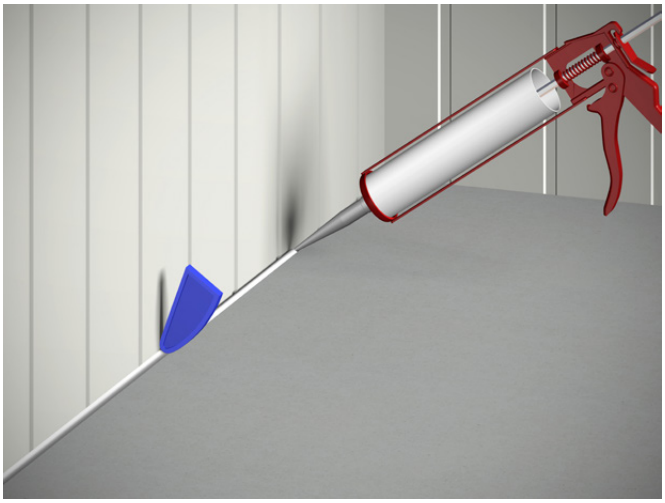
Silencio must be laid with at least 200mm staggered joints. The use of panel elements less than 150mm long should be avoided. Start laying Silencio in a corner. Use spacers against the walls. Silencio must be laid floating, room by room, with a minimum of 5mm clearance against walls and fixed objects. The clearance gap increased to 10 mm for room with widths/lengths exceeding 6 metres. There can be no sealant in the gap against the wall. Instead, a backer rod can be used. Flooring must be installed perpendicular to Hunton Silencio. Felt paper must be used between the flooring and Silencio



6 Fermacell gypsum fibreboard with straight edge on top of Silencio

Fermacell gypsum fibreboard with straight edge/ chipboard should be laid floating, perpendicular to Silencio with a gap to the wall.
This clearance gap may be sealed with a suitable sealant, particularly when gypsum is used.
NOTE! The Silencio panels should not be caulked.
Felt paper or the like must be used before laying top floor.





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