

Thanks to the special PUR mineral blend, MEISTER-Silence 25 DB, MEISTER-Silence 20 or MEISTER-Silence 15 DB are the ideal insulating underlay for effective room and footfall noise reduction. The high self-weight of the products also has a positive effect on the sound-absorbing properties. In the case of Silence 25 DB and 15 DB the vapour barrier is already integrated, which means the laying of an additional PE-film is no longer necessary on mineral subsurfaces.

The insulating underlay MEISTER-Silence Compact is a 1.5 mm thick underlay made of a PUR mineral blend and was especially developed for floor coverings with a solid, elastic and synthetic core with click system. The underlay fulfils the increased requirements of the technical bulletin issued by the MMFA (Multilayer Modular Flooring Association) for Class 2 floor coverings.

All MEISTER underlay materials can be installed on underfloor heating. They comply with the technical bulletin provided by the European Producers of Laminate Flooring (EPLF) based on CEN/TS 16354. The Silence products also meet the requirements of the technical bulletin issued by the Multilayer Modular Flooring Association (MMFA) »Underlay Materials under Multilayer Modular Floor Coverings (MMF) – Test Standards and Performance Indicators« for Class 1 (with HDF-core).

Product features – underlay materials

	Silence 25 DB	Silence 20	Silence 15 DB	Silence-Compact	Silence-Eco	Twin Control	Foam film	PE-film
Material thickness approx.	3 mm	2.5 mm	2 mm	1.5 mm	3 mm	2 mm	2 mm	0.12 mm
Weight approx.	2.5 kg/m ²	2 kg/m ²	1.6 kg/m ²	1.5 kg/m ²	0.8 kg/m ²	0.3 kg/m ²	0.2 kg/m ²	
Compressive strength approx.	130 kPa ••••	150 kPa ••••	220 kPa •••••	450 kPa •••••	150 kPa ••••	60 kPa •••	70 kPa •••	–
Improvement of room noise absorption	•••••	•••••	•••	•••	••	••	••	–
Improvement of footfall noise protection	••••	••••	•••	•••	••••	•••	•••	–
Suitability for hot-water underfloorheating	••••	••••	••••	••••	••	••	••	•••••
Suitability for underfloor cooling	••••	••••	••••	••••	–	–	–	•••••
Compensation for uneven surfaces	••••	••••	•••	••	•••	•••	•••	–
Protection against humidity	✓	No	✓	No	No	✓	No	✓

Recommendations for use

Subfloors	Silence 25 DB	Silence 20	Silence 15 DB	Silence-Compact	Silence-Eco	Twin Control	Foam film	PE-film
Wooden planks	–	x	–	x	x	–	x	–
Wooden composite boards, OSB panels, drywall elements	–	x	–	x	x	–	x	–
Mineral substrates (e.g. cement screed, anhydrite screed)	x	x with PE-film	x	x with PE-film	x with PE-film	x	x with PE-film	x
Asphalt screed	–	x	–	x	x	–	x	–
Existing floorings (e.g. ceramic tiles and panels, natural stone, synthetics)	x	x with PE-film	x	x with PE-film	x with PE-film	x	x with PE-film	x
PVC/linoleum in rolls	–	x	–	x	x	–	x	–

Characteristics:

••••• ideally suited •••• very well suited ••• well suited •• suited • suitable to a limited extent ✓ existing x suitable – not suitable