

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 substrates.

The insulating underlay MEISTER-SilenceGrip is a 1.5 mm thick underlay made of a PUR mineral blend with non-slip effect 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

Overview	Silence 25 DB	Silence 20	Silence 15 DB	SilenceGrip	Twin Control	Foam film	PE-film
Material thickness approx.	3 mm	2.5 mm	2 mm	1.5 mm	2 mm	2 mm	0.2 mm
Weight approx.	3 kg/m ²	2.3 kg/m ²	1.5 kg/m ²	1.5 kg/m ²	0.3 kg/m ²	0.2 kg/m ²	
Compressive strength approx.	150 kPa ••••	170 kPa ••••	220 kPa •••••	450 kPa •••••	50 kPa •••	45 kPa •••	–
Improvement of room noise absorption	•••••	••••	•••	•••	••	••	–
Improvement of footfall noise protection	••••	••••	•••	•••	•••	•••	–
Suitability for hot-water underfloor heating	••••	••••	••••	••••	••	••	•••••
Suitability for underfloor cooling	••••	••••	••••	••••	–	–	•••••
Compensation for uneven surfaces	••••	••••	•••	••	•••	•••	–
Protection against humidity	Yes	No	Yes	No	Yes	No	Yes

Recommendations for use

Overview	Silence 25 DB	Silence 20	Silence 15 DB	SilenceGrip	Twin Control	Foam film	PE-film
Weight approx.	3 kg/m ²	2.3 kg/m ²	1.5 kg/m ²	1.5 kg/m ²	0.3 kg/m ²	0.2 kg/m ²	
Wooden planks	–	X	–	X	–	X	–
Wooden composite boards, OSB panels, drywall elements	–	X	–	X	–		–
Mineral substrates (e.g. cement screed, anhydrite screed)	X	X with PE-film	X	X with PE-film	X	X with PE-film	X
Asphalt screed	–	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	X with PE-film	X

Characteristics:

••••• ideally suited •••• very well suited ••• well suited •• suited • suitable to a limited extent X suitable – not suitable