

## Mouldings and accessories Underlay materials

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 underlays MEISTER-SilenceGrip (with anti-slip effect) and MEISTER-Silence Compact are 1.5 mm thick underlays made of a PUR mineral blend and were especially developed for floor coverings with a solid, elastic and synthetic core with click system. The underlays fulfil 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	Silence Compact	Twin Control	Schaum-folie	PE-film
Material thickness approx.	3 mm	2.5 mm	2 mm	1.5 mm	1.5 mm	2 mm	2 mm	0.2 mm
Weight approx.	2.6 kg/m <sup>2</sup>	2 kg/m <sup>2</sup>	1.6 kg/m <sup>2</sup>	1.5 kg/m <sup>2</sup>	1.5 kg/m <sup>2</sup>	0.3 kg/m <sup>2</sup>	0.2 kg/m <sup>2</sup>	
Compressive strength approx.	approx. 130 kPa ••••	approx. 150 kPa ••••	approx. 220 kPa •••••	approx. 450 kPa •••••	approx. 450 kPa •••••	approx. 50 kPa •••	approx. 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	✓	No	✓	No	No	✓	No	✓

### Recommendations for use

Overview	Silence 25 DB	Silence 20	Silence 15 DB	SilenceGrip	Silence Compact	Twin Control	Foam film	PE-film
Weight approx.	2.6 kg/m <sup>2</sup>	2 kg/m <sup>2</sup>	1.6 kg/m <sup>2</sup>	1.5 kg/m <sup>2</sup>	1.5 kg/m <sup>2</sup>	0.3 kg/m <sup>2</sup>	0.2 kg/m <sup>2</sup>	
Wooden planks	–	×	–	×	×	–	×	–
Wooden composite boards, OSB panels, drywall elements	–	×	–	×	×	–	×	–
Mineral substrates (e.g. cement screed, anhydrite screed)	×	× with PE-film	×	× with PE-film	× with PE-film	×	× with PE-film	×
Asphalt screed	–	×	–	×	×	–	×	–
Existing floorings (e.g. ceramic tiles and panels, natural stone, synthetics)	×	× with PE-film	×	× with PE-film	× with PE-film	×	× with PE-film	×

Characteristics:

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