



MAKING YOUR WORLD A LITTLE QUIETER



PERFECTION IS NO MIRACLE **BUT AN END RESULT.**

ACOUSTIC UNDERLAY FOR PARQUET, LAMINATE AND LVT

Our vision: **an underlay that is a real multitasker.**

Market research that we commissioned has demonstrated that dealers have just one wish when faced with the plethora of different insulating underlay: **for someone to finally shed some light on the confusion.**

High on the wish list was a multifunctional underlay that provides the right solution for every floor, thus replacing many other underlays. It should be self-explanatory so that it no longer demands so much of dealers and end consumers. It should also be lightweight, afford maximum sound insulation and safety, and ultimately it should also help dealers to achieve higher revenue.

We have risen to this challenge.



VISCOH Plus

For parquet & laminate on mineral substrates

VISCOH Air

For parquet & laminate on non-mineral substrates

VISCOH Vinyl

For LVT design floors (with and without non-slip finish)

Vision **achieved.**

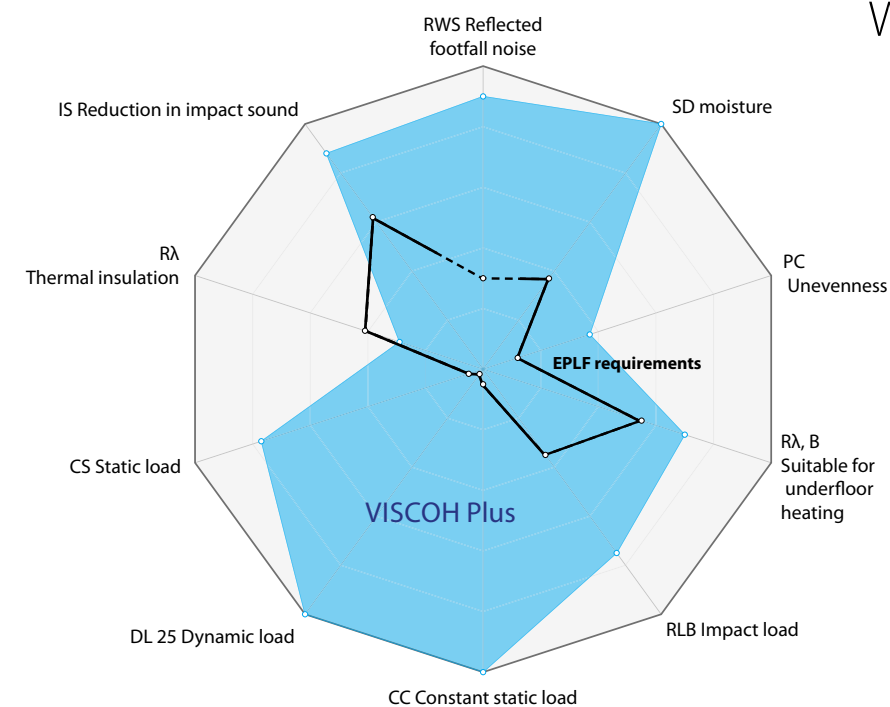
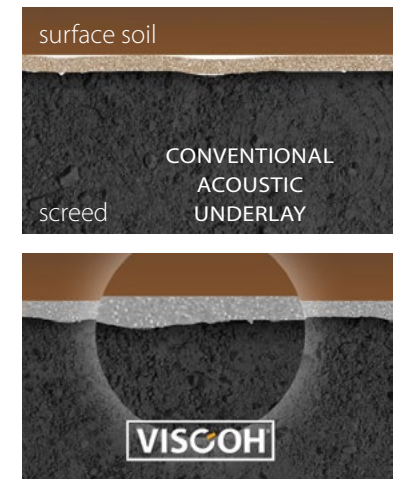
The result is a well-defined concept, consisting of VISCOH Plus, Air and Vinyl, which not only satisfy all customer requirements and technical standards but even exceed them by far.

Why VISCOH is better.

VISCOH has unique visco-elastic properties and is able to compensate for any unevenness over and over again, thus preventing resonance in the floor structure.

This ensures unrivalled noise reduction that is maintained for decades thanks to the linked material structure.

This promise is backed by our 30-year guarantee.



What VISCOH offers you

The figure makes all the potential of VISCOH Plus very clear. It satisfies all EPLF requirements in full and is therefore able to replace many other products, because it simultaneously achieves the maximum ratings for impact sound **and** footfall noise. What is more, it has outstanding resilience and stability.

The multitasker that sets standards.





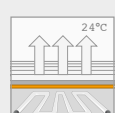


Designed for the new EPLF and MMFA requirements **and the needs of dealers***.

acc. to Viscoh market research 08/2014

WHAT THE EPLF SAYS

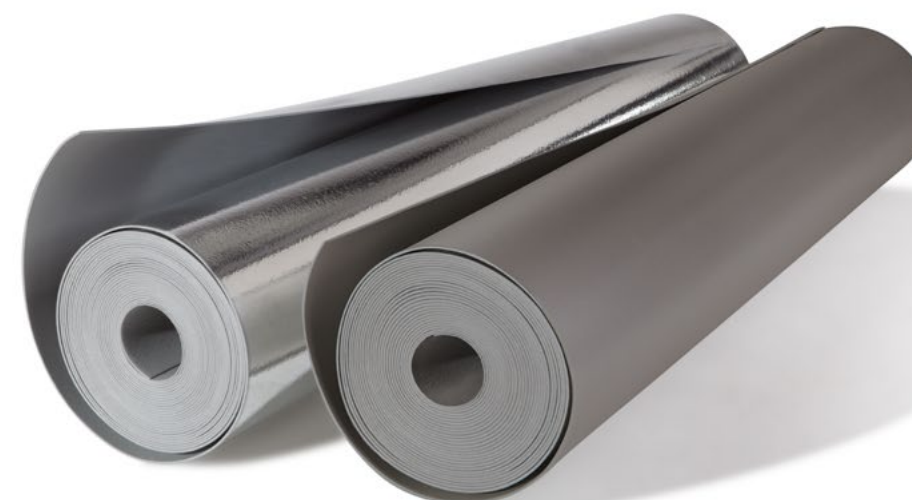
The EPLF (Association of European Producers of Laminate Flooring e.V., Bielefeld) published a technical guideline in late 2013 for the minimum requirements for underlay materials, which defines the standard for current technology.

The table below provides a list of the minimum and the increased requirements as well as the technical specifications for our products.

	Advantages for the user	Minimum requirement Increased requirement in ()	Technical specifications VISCOH Air / Plus
RWS Reduction in footfall noise	 Sound emission in the room even when the floor is walked on	Value pending development	30%
IS Reduction in impact sound	 Cuts impact sound in adjacent rooms and rooms underneath	14 dB (18)	20 dB
DL/CC/CS Protection under load	 DL: stability under load CC: lasting durability (10 yr) CS: protection, locking system	≥10 000 cycles (100 000) ≥2kPa (20) ≥10kPa (60)	≥1 000 000 cycles 40kPa ≥ 140kPa
RLB Protection against falling objects	 Protection of the surface	≥500 mm (1200)	1050 mm
R Thermal resistance	 Thermal insulation Suitable for underfloor heating	≥0.075m ² K/W ≤0.15 m ² K/W*	0.058m K/W
PC Punctual conformability	 Prevention of sound bridges Mechanical protection	≥0.5 mm	1.4 mm
SD Water vapour diffusion	 Preventing damage from moisture	≥75 m	200 m**

*in this case, the entire flooring system is tested and assessed **VISCOH Plus

MAXIMUM SOUND INSULATION FOR PARQUET & LAMINATE



VISCOH Plus
(with moisture protection)

VISCOH Air

VISCOH Air and VISCOH Plus are new types of visco-elastic underlay for floating parquet and laminate floors. They attain the highest **rates for impact sound and footfall noise insulation** and impress with maximum stability and reliability – lifelong.

Perfection made in Germany



Improvement in footfall noise: **30%**

Footfall noise is the term for noise that occurs and is perceived in the room itself.



Reduction in impact sound: **20 dB**

Impact sound describes the noise that is perceived in adjacent rooms and rooms underneath.



Stability/durability: **very good**

when walked on, under static loads (e.g. furniture), with falling objects and under increased loads.



Conformability/viscosity: **very good**

describes in particular the ability to compensate for unevenness and adapt to the substrate





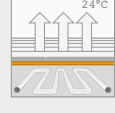




	Item no.:	Thickness	Length	Width	Packaging		GTIN (EAN)
		mm	m	cm	Box contents	Pallet contents	
VISCOH Air	10100	2.0	12.5	100	6 rolls = 75m ²	8 boxes = 600m ²	4260404430018
VISCOH Plus	10200	2.0	12.5	100	6 rolls = 75m ²	8 boxes = 600m ²	4260404430025

WHAT THE **MMFA** SAYS

The MMFA (German Multilayer Modular Flooring Association in Bielefeld) published a technical guideline in 2014 on the minimum requirements for underlay materials, which defines the standard for current technology.

The table below provides a list of the minimum and the increased requirements as well as the technical specifications for our products.

		Advantages for the user	Minimum requirement Increased requirement in ()	Technical specifications VISCOH Vinyl / Vinyl-S
IS_{LVT*} Reduction in impact sound		Reduces impact sound in adjacent rooms and rooms underneath	10 dB (18)	18 dB
DL₇₅ Dynamic load		Durability of the main properties, mechanical protection	≥10 000 cycles (100 000)	≥200 000 cycles
CC Constant compressive load		Lasting durability of the main properties (10 yr)	≥10kPa (35)	40kPa
CS Compressive load		Protection of the locking system, protection against rupturing of joints	≥200kPa (400)	≥ 200kPa
R Thermal resistance		Thermal insulation Suitable for underfloor heating	≥0.075 m ² K/W ≤0.150 m ² K/W*	0.020 m K/W
PC Punctual conformability		Prevention of sound bridges Mechanical protection	≥0.5 mm	0.5 mm
SD Water vapour diffusion		Prevention of damage from moisture	≥75 m	75 m

*in this case, the entire flooring system is tested and assessed

MAXIMUM SAFETY FOR **LVT DESIGN FLOORS**



VISCOH **Vinyl**

VISCOH **Vinyl-S**
(with non-slip finish)

The new underlay for LVT design floors meets all MMFA requirements and affords maximum safety at the standard of current technology.

VISCOH Vinyl: for LVT floors over 4mm thick, with click joint system

VISCOH Vinyl-S: for LVT floors over 4mm thick, with drop-down lock system.

Safety made in Germany



Protects the locking system

The locking system is protected against joint rupture thanks to its high resistance to pressure marks and the ability to compensate for uneven spots.



Offers outstanding comfort underfoot.

The resilient insulation properties ensure comfort underfoot and reduce the formation of noise from footfall.



Insulates impact sound by up to 18 dB

Impact sound describes the noise that is perceived in adjacent rooms and rooms underneath. (10 dB are perceived as a halving of the noise level).



Compensates for unevenness

VISCOH compensates for localised unevenness up to 0.5 mm. It prevents the substrate from becoming evident on the surface and avoids damage to the click system.



Ideal for wetrooms

Thanks to its low absorption of water of <1%, it is ideal for fitting in wetrooms.

	Item no.:	Thickness	Length	Width	Packaging		GTIN (EAN)
		mm	m	cm	Box contents	Pallet contents	
VISCOH Vinyl	10300	1.3	12.5	100	6 rolls = 75m ²	8 boxes = 600m ²	4260404430032
VISCOH Vinyl-S	10400	1.3	12.5	100	6 rolls = 75m ²	8 boxes = 600m ²	4260404430049

To put things **simply**

To explain the complex subject so that the consumer understands it, we have summarised, for example, the ten EPLF quality requirements in the four key points and illustrated the values in a colour scale. This not only provides users with abstract value but they can assess them immediately too.



Top-ranked in the four most important categories



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Reduction in impact sound: **20 dB**

Impact sound describes the noise that is perceived in adjacent rooms and rooms underneath.



Stability/durability: **very good**

when walked on, with static loads (e.g. furniture), falling objects and increased loads



Conformability/viscosity: **very good**

describes in particular the ability to compensate for unevenness and adapt to changes in level



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