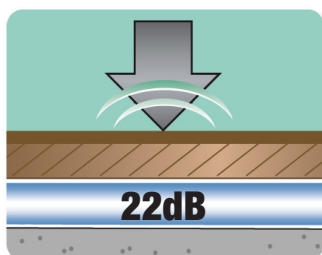


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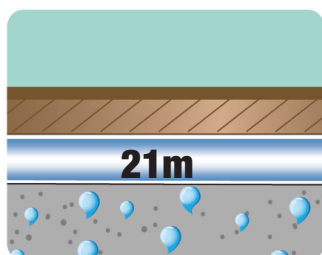


Impact sound reduction

Measured in decibels according to European standards and refers to sound reduction to the area below.

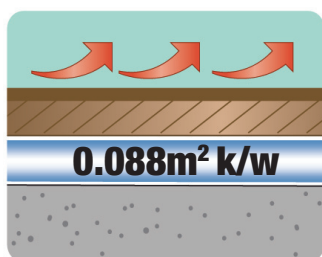
Drum sound reduction

Drum sound is defined as a perceived level of noise inside a room created by impact sources such as footsteps or dropped objects. The measuring method is still under international debate, trying to find the best testing method applicable



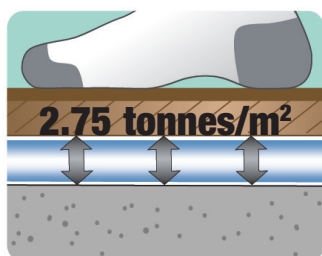
Moisture Protection (water vapour barrier)

Water vapour barrier is determined by measuring the amount of water vapour that has transmitted through 1m² of underlay after 24 hours. Water repellent materials typically present values of less than 0.5 g/m² per 24 hours, which equals an SD value of 100m. The higher the value, the greater the protection.



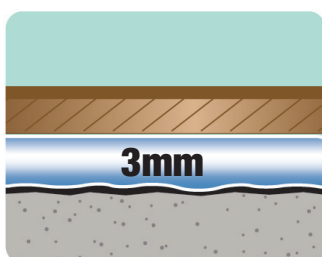
Thermal resistance

Thermal resistance is important when underlay is used in combination with water based underfloor heating. Underfloor heating is possible as long as the thermal resistance of the complete flooring (underlay & laminate) does not exceed 0.15 m² K/W.



Compressive strength

Compressive strengths are measured in kilograms per square metres and it expresses the weight needed for a 0.5 mm deformation. The more weight needed to create such a deformation, the better the underlay is resistant to puncture loads.



Thickness & conformity

Thickness, conformity and floor levelling capabilities are measured in mm, a minimum of 2.5mm is considered necessary for almost all applications. A floor is considered level if the deviation in height is less than 2mm over a distance of 2.5 linear metres.