

# TECHNICAL CHARACTERISTICS

## wineo silentPREMIUM PU underlay for Design flooring for gluing

# wineo



<b>Product thickness</b>	1.80 mm	(± 0.15 mm)
<b>Format</b>	Length: 6.50 m	(± 15.00 mm)
	Width: 1.00 m	(± 1.00 mm)
<b>Weight</b>	2.6 kg/m <sup>2</sup>	(± 0.15 kg/m <sup>2</sup> )
<b>Roll / m<sup>2</sup></b>	1 / 6.50 m <sup>2</sup>	
<b>Rolls / m<sup>2</sup> per pallet</b>	40 / 260 m <sup>2</sup>	

Technical details		
Installation in utilization class 23 Installation in utilization class 32	Domestic area with intensive usage Commercial sector with average usage	EN ISO 10874
RWS Reflected walking sound	up to 6 % (± 2 %)	Windmüller factory rating, int. (form. EPLF WD 021029-5) Measured under: <u>wineo DL 2 mm</u> , DLC 5 mm
IS Impact sound	up to 15 dB (± 2 dB)	DIN EN 16251-1 Measured under: <u>wineo DL 2 mm</u> , DLC 5 mm, NL 7 mm
R Thermal resistance	0.01 m <sup>2</sup> K/W	DIN EN 16354:2019-01 (suit. for water underfloor heatings)
S <sub>D</sub> Water vapor diffusion	n.a.	DIN EN 16354:2019-01
RI Residual indentation	< 0.20 mm	DIN EN 24343-1 Measured under: <u>wineo DL 2 mm</u>
CS Compressive strength	> 45 t/m <sup>2</sup> (> 450 kPa)	acc. to DIN EN 826 (250 Pa, 0.5 mm)
CC Compressive creep	> 55 kPa	DIN EN 16354:2019-01
DL Dynamic load	> 3,000,000 cycles	DIN EN 16354:2019-01
RLB Resistance to large ball	~ 750 mm	DIN EN 16354:2019-01 Measured under: norm laminate EPLF, 7 mm
PC Punctual conformability	~ 0.55 mm	DIN EN 16354:2019-01
RTF Reaction to fire	Bfl-s1	DIN EN 13501-1 ( <b>excluding covering</b> )

Product description	The patented "silentPREMIUM" acoustic system was designed specifically for floating installation (fixed on one side) under design floors. As a high-class system for reducing impact sound and walking noise, "silentPREMIUM" consists of up to 90% naturally occurring raw materials and is supplied in rolls for convenience.	
Product composition	Permanently elastic underlay material made of mineral fillers and polyurethane binders. "silentPREMIUM" is composed of a transparent PET carrier film together with a dimensionally stable self-adhesive layer (with removable protective film), an ageing resistant heavy layer of polyurethane and a high quality nonwoven backing (in white).	
Taking responsibility	wineo silentPREMIUM is FREE from plasticizers, asbestos, formaldehyde, halogens and heavy metals and fulfils VOC Directive afset A+, Bl. Engel as well as the guidelines of the AgBB scheme.	
Ecological aspects	The product is solvent-free and does not contain any other ozone-depleting substances. The renewable resources used in the product do not compete with food crops (during growth).	
Health and safety	The product does not require any special health and safety measures to be taken. When laying flooring, it is <u>essential</u> to adhere to the manufacturer's advice on protection.	
Processing	The approval of the flooring manufacturers <u>must</u> be obtained prior to install the product in any way. For further information about processing, please refer to the relevant <u>manufacturer guidelines on installation</u> .	
Installation reference	<p>Easy cutting with a cutter knife. Lay the non-woven side downwards and the adhesive side (without foil) upwards - towards the top covering. Old textile floor coverings of any kind must be removed beforehand!</p> <p>The mat silentPREMIUM can be cut with a floor fitting knife (trapezoidal blade). Lay out the individual sheets, end to end, with the FILM SIDE facing upwards at an angle of approx. 90° against the direction of installation of the wineo design floor for gluing (thicknesses from 2 - 2.5 mm). Fastening the strips underneath each other or fastening to the subfloor is not intended. After removing the film, start installing the wineo design floor for gluing according to the installation recommendations.</p> <p>silentPREMIUM firstly features low initial adhesion properties, which means it is still possible to correct the surface covering for a while. After smoothing or rolling the floor covering with a pressure roller, it is no longer possible to make corrections.</p> <p><b>Note: Although silentPREMIUM has a high adhesive force to the floor covering, dimensional changes to design vinyl floor coverings, though limited, cannot be completely prevented.</b></p> <p>The final installation of the product is to be individually checked and approved for each surface covering. In this respect, installation recommendations are to be pronounced by the relevant sales partner.</p> <p>The use of low-emission building products is recommended - e. g. products bearing the Blue Angel. This product can be recycled in accordance with EAK-no 170604 and may be disposed of as household waste.</p>	
Features	<ul style="list-style-type: none"> <li>• Ideally suited for underfloor heating</li> <li>• Minimum subfloor preparation acc. to manufacturer's specifications</li> <li>• Possible to install directly on top of existing floor coverings</li> <li>• Initial corrections possible</li> <li>• Permanently outstanding reflected walking and impact sound properties</li> </ul>	<ul style="list-style-type: none"> <li>• Can be walked on immediately</li> <li>• No additional adhesive necessary (floating installation)</li> <li>• Neat and time-saving to process</li> <li>• Resistant to plasticisers</li> <li>• Quick to remove without residue</li> <li>• Consistent cost saving</li> </ul>



[www.blauer-engel.de/uz156](http://www.blauer-engel.de/uz156)



### Note:

The information above is based on current knowledge and the latest technical developments. We make no claim as to the completeness of information. Windmüller GmbH reserves the right to make technical changes.