



Silentflōr

Design Led Acoustic Flooring

POLYFLOR™
COVERING THE WORLD



19dB

DESIGN LED ACOUSTIC FLOORING

Elegantly combining contemporary and decorative design with superior acoustic performance, the Silentflor vinyl sheet flooring range has been expertly created for a wide range of commercial interiors. A robust, beautifully designed collection that achieves 19dB impact sound reduction, Silentflor provides a perfect solution for installations in the healthcare, office, education, residential, retail and leisure sectors. An environmentally preferable flooring collection, Silentflor is also 100% recyclable and has achieved NF UPEC A+ certification U4.





ACOUSTICS

Noise can have a detrimental effect in healthcare, education, work and public spaces, which can significantly affect an individual's well-being and also hinder recuperation, learning, working and comfort.

The Silentflor range has been developed to assist in improving the acoustic properties within commercial and public locations as well as providing the additional benefits of aesthetics, performance, hygiene and durability.

Acoustic flooring such as Silentflor is only part of the action that can be taken to reduce noise levels. It is advisable from the outset of a project to seek advice from a specialist acoustician as other factors can have an impact on the overall noise levels in a room.

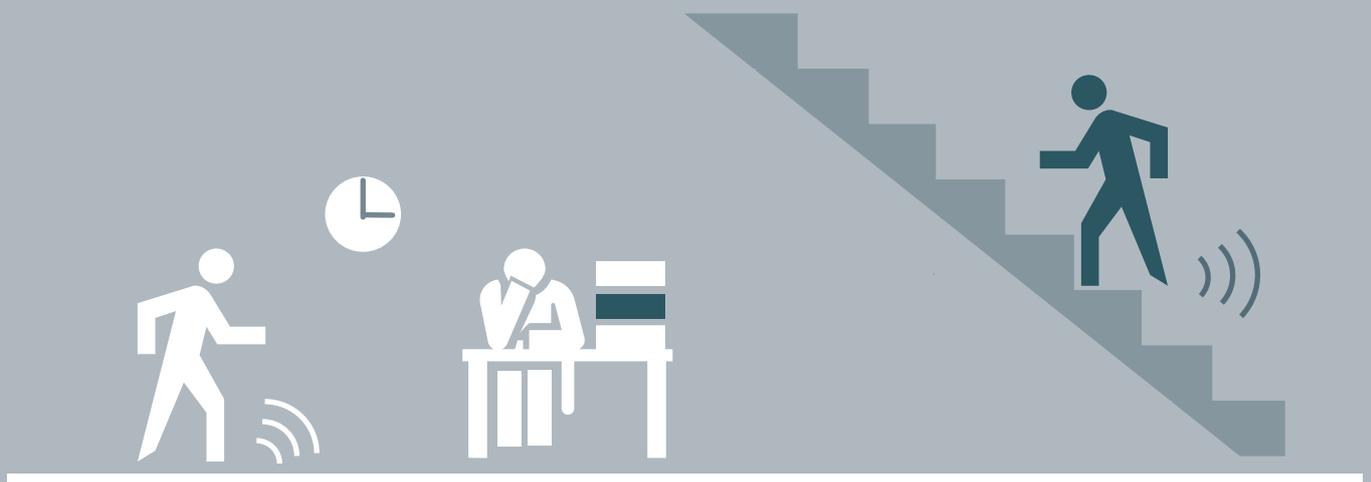
IMPACT SOUND TRANSMISSION

- Impact sound is energy produced by the impact or collision of objects onto a separating surface such as a floor or wall. This energy is transmitted through the structure of the building into neighbouring rooms, examples include impact of heavy footsteps, slamming of doors or dragging of furniture.



WALKING NOISE

- Walking Noise unlike Impact Sound is where the sound of a person's footstep when walking in a room is reverberated back into the room through the air.



EXCELLENCE AS STANDARD

The Silentflor range has been awarded NF UPEC A+ U4 for the Impact Sound Test as it achieves a 19dB impact sound reduction level. NF UPEC A+ French certification aims to provide building owners and specifiers with a safe and simple way of choosing a floor based on its quality and how it handles heavy traffic installations.

The advantages of a flooring solution having NF UPEC A+ certification are:

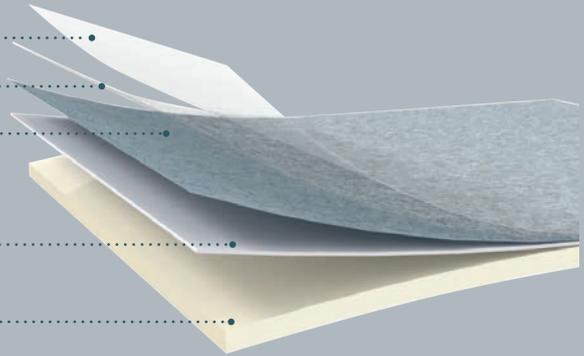
- Quality and suitability are guaranteed
- Production that is continuously monitored to ensure consistent quality by a certified manufacturer
- Independent third-party validation of the manufacturers compliance with the certified characteristics, and a quality assurance system

PRODUCT SPECIFICATION

Gauge 3.7mm | Wear layer 0.65mm | U4

Product layers

- 1** Polyurethane Surface Treatment, to minimise maintenance time and costs
- 2** Wear Layer, that protects the flooring decoration
- 3** Decorative Layer
- 4** Stabilisation Layer, that improves dimensional stability and minimises the effect of surrounding physical properties e.g. temperature fluctuations
- 5** Acoustic Layer for warmth and cushioning underfoot, achieves an impact sound reduction of at least 19dB



MAINTENANCE

By continually improving the maintenance procedures and requirements for our product portfolio, Silentflor PUR offers a cost effective, low maintenance regime that is both environmentally friendly and ensures longevity as poor maintenance can impair performance, shorten floor life and create hygiene problems in critical areas. The incorporation of PUR helps protect the floorcovering by resisting soiling and scuffing. Combined with a superior closed surface finish, this enhanced protection leads to an overall maintenance cost saving of 48%, reducing the impact on the environment as fewer cleaning chemicals and power are required.

QUALITY ASSURANCE

In order to provide comprehensive support to our customers, Polyflor has a team of dedicated and experienced personnel within its sales, marketing, technical and design departments, all working towards ensuring excellent product quality and availability. The manufacturing processes and systems at Polyflor are ISO 9001 certificated and all of our products are tested to a wide range of international standards, including slip resistance and VOC emissions tests, to back-up their performance.

MADE IN UK

All of Polyflor's heterogeneous sheet products are manufactured within the UK using responsibly sourced raw materials. We at Polyflor are proud to be supporting local businesses and communities through continued investment and expansion into new territories.

HETEROGENEOUS



Warm Limed Ash **9953** w/r 9832 LRV 34.1



Classic Limed Ash **9955** w/r 9833 LRV 48.7



Sun Bleached Oak **9952** w/r 9825 LRV 31.4



Honey Beige **9985** NCS S 3005-Y50R w/r 9869 LRV 29.2



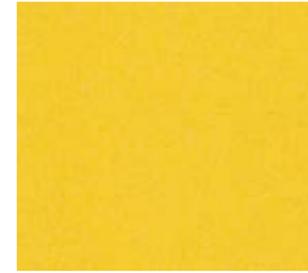
Light Grey Concrete **9965** NCS S 3000-N w/r 9858 LRV 40.2



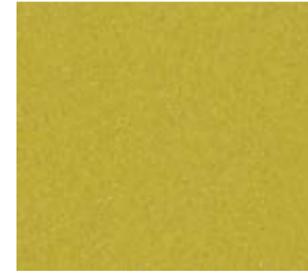
Warm Concrete **9967** NCS S 3502-R w/r 9855 LRV 25.0



Burnt Orange **9981** NCS S 3040-Y40R w/r 9848 LRV 24.0



Flaxen **9979** NCS S 0560-Y w/r 9849 LRV 43.9



Meadow **9980** NCS S 2050-G90Y w/r 9850 LRV 31.7



Blond Oak **9956** w/r 9820 LRV 27.7



Roasted Limed Ash **9954** w/r 9831 LRV 27.3



English Oak **9957** w/r 9823 LRV 24.2



Autumn Rain **9986** NCS S 5005-Y80R w/r 9864 LRV 24.2



Cool Concrete **9966** NCS S 4500-N w/r 9856 LRV 21.9



Dark Grey Concrete **9968** NCS S 6502-R w/r 9857 LRV 12.8



Moleskin **9975** NCS S 3005-Y20R w/r 9841 LRV 27.8



Steel Blue **9977** NCS S 6020-B10G w/r 9852 LRV 9.9



Teal **9978** NCS S 6020-B70G w/r 9851 LRV 11.0



Honey Oak **9959** w/r 9821 LRV 22.0



Toasted Oak **9960** w/r 9822 LRV 18.2



Reclaimed Chevron **9958** w/r 9830 LRV 17.3



Silver Oak **9951** w/r 9826 LRV 27.6



Light Industrial Concrete **9969** NCS S 2500-N w/r 9860 LRV 35.1



Dark Industrial Concrete **9970** NCS S 4502-R w/r 9859 LRV 24.1



Storm **9973** NCS S 3502-B w/r 9845 LRV 26.4



Zinc **9982** NCS S 3500-N w/r 9804 LRV 37.2



Onyx **9983** NCS S 7502-R w/r 9805 LRV 13.7



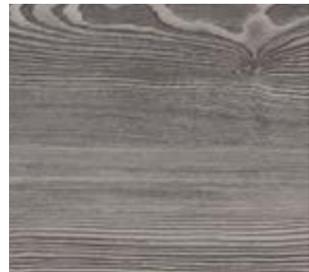
Bronzed Pine **9962** w/r 9835 LRV 14.3



Aged Oak **9961** w/r 9824 LRV 8.1



Smoked Oak **9963** w/r 9827 LRV 11.3



Silvered Pine **9964** w/r 9836 LRV 16.9



Copper Ornamental **9971** NCS S 5502-R w/r 9861 LRV 18.8



Onyx Ornamental **9972** NCS S 7000-N w/r 9862 LRV 11.0



Taupe **9976** NCS S 7502-Y w/r 9843 LRV 9.5



Jet **9974** NCS S 8000-N w/r 9842 LRV 7.9



Twilight **9984** NCS S 7005-Y20R w/r 5086 LRV 14.1



w/r = weld rod

Decoration and shade may vary from the sample shown. When making your colour selection, we recommend you view a larger sample which we will be happy to supply.



*Refer to BRE Global ratings on www.greenbooklive.com

TECHNICAL SPECIFICATION

Product Size	Size	Shades	Coverage per Roll
Sheet	2m x 20m	22	40m ²

Product Format

Gauge	ISO 24346 (EN 428)	3.7mm
Wear Layer	ISO 24340 (EN 429)	0.65mm
Total Weight	ISO 23997 (EN 430)	2550g/m ²
Finish		PUR

Performance Requirements

General Performance	ISO 11638 (EN 651) ASTM F1303	Conforms Type I, Class I, Class C Backing
Use Area	ISO 10874 (EN 685)	23, 34, 42
Slip Resistance	EN 13893 AS 4586	Class DS R10
Binder Content	ISO 10582	Type I
Abrasion Resistance	EN 651	Group T
Reaction to Fire	ASTM E648 AS ISO 9239.1	Class 1 > 8.0 kW/m ²
Static Electrical Propensity	EN 1815	≤2.0kV Classified as 'antistatic'
Residual Indentation	ISO 24343-1 (EN 433)	≤0.20mm
Castor Chair (continuous use)	ISO 4918 (EN 425)	Suitable
Dimensional Stability	ISO 23999 (EN 434)	≤0.40%
Flexibility	ISO 24344 (EN 435) ASTM F137	(Method A) Pass 20mm ø 0.25" Pass
Thermal Resistance	EN 12667	0.0525m ² K/W
Underfloor heating		Suitable, max 27°C
Light Fastness	ISO 105-B02 (Method 3)	≥6
Furniture Leg	ISO 16581 (EN 424)	Pass Type 3 foot
Resistance to Light	ASTM F1515	ΔE ≤ 8.0 - Meets
Resistance to Heat	ASTM F1514	ΔE ≤ 8.0 - Meets

Sustainability

BRE Green Guide		A+ ENP 415
Recyclable		100%
Recycled Content		10%
REACH		Compliant
Indoor Air Comfort Gold		Eurofins certified product
FloorScore		Certified
Global Green Tag		Certified Level A Silver
AgBB/ABG		Pass
Responsible Sourcing	BES 6001	Excellent

Acoustic Performance

Impact Sound Reduction	ISO 10140-3	19 dB reduction
Sound Transmission Coefficient	ASTM E90/492	STC 56
Impact Insulation Class	ASTM E90/492	IIC 57

Maintenance Performance

Resistance to Chemicals	ISO 26987 (EN 423) ASTM F925	Good Good
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All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products.

The implementation of an effective cleaning regime is the most important defence against infection.