

Grabo Silver Knight is a low-maintenance and trouble-free flooring

More effective infection control with easy cleaning

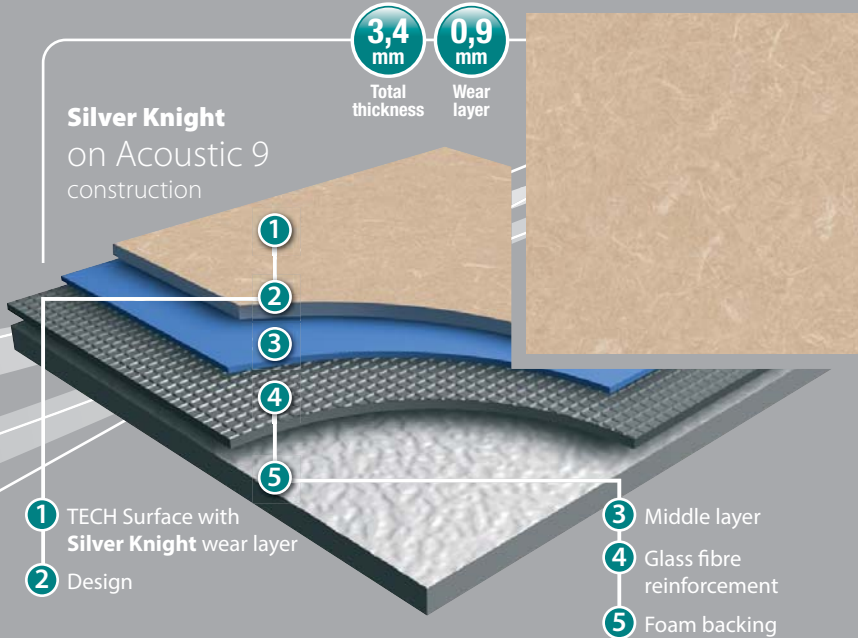
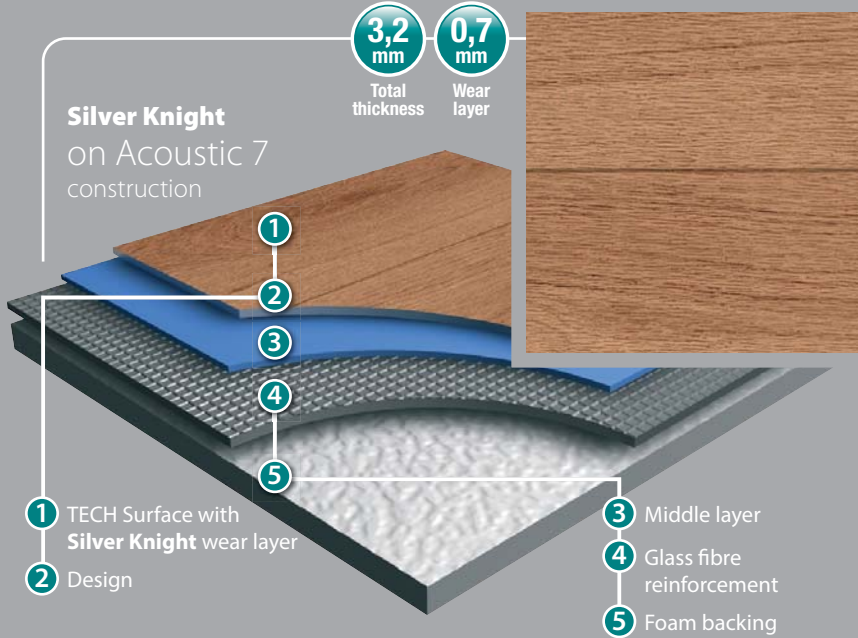
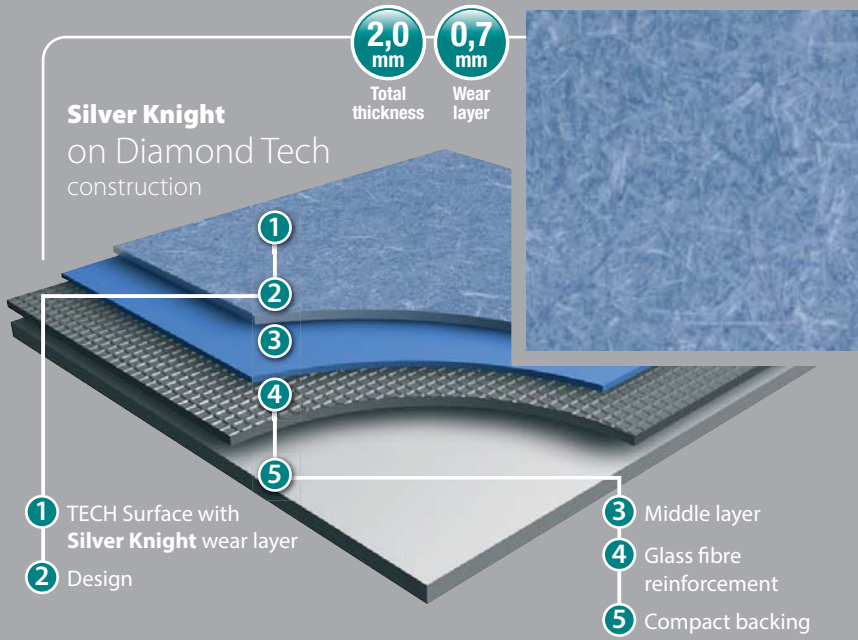
Due to the photocatalytic reaction, the surface energy is increased so dirt adheres less and is easier to remove resulting in use of less cleaning products. Grabo Silver Knight is active round the clock, 24/7, and helps to reduce microbial contamination in between cleanings.

Improve indoor air quality

Through photocatalysis odors are decomposed into harmless constituent parts. It works in the same way for pollutants as well, such as nicotine or formaldehyde and unpleasant smells e.g. ammonia or fish odor.








Grabo Silver Knight is the ultimate, environmentally sound choice for any facilities.



Grabo Silver Knight specifications



Construction	Standards	Silver Knight on Diamond Tech construction	Silver Knight on Acoustic 7 construction	Silver Knight on Acoustic 9 construction
DESCRIPTION				
Construction		compact heterogeneous	heterogeneous	heterogeneous
Total thickness	EN 428	2,0 mm	3,2 mm	3,4 mm
Wear layer thickness	EN 429	0,7 mm	0,7 mm	0,9 mm
Width of roll	EN 426	2 m	2 m	2 m
Length of rolls	EN 426	20 m	20 m	20 m
Total weight	EN 430	2,8 kg/m ²	2,6 kg/m ²	2,9 kg/m ²
CLASSIFICATION				
Classification	EN 685	Class 34/43	Class 34/42	Class 34/42
PERFORMANCE				
Abrasion group	MSZ EN 660-1	T	T	T
Residual indentation	EN 433	0,1 mm	0,2 mm	0,2 mm
Dimensional stability	EN 434	max 0,2 %	max 0,2 %	max 0,2 %
Fire resistance	EN 13501-1	Class: Bfl -s1	Class: Bfl -s1	Class: Bfl -s1
	ASTM E 648/ 662	class1/pass	-	-
	Gost 30402-94	G1	G1	G1
Impact sound reduction	EN ISO 717-2	-	ΔL _w =19 dB	ΔL _w =17 dB
Slip resistance	DIN 51130	R9	R9	R9
Abrasion resistance (H-18 wheel)	ASTM D3884-01	-0,2 g/1000 circle	-0,2 g/1000 circle	-0,2 g/1000 circle
Abrasion resistance	ASTM D3884-01	-0,65 g/100 000 c.	-0,65 g/100 000 c.	-0,65 g/100 000 c.
Electrical resistance	EN 1815	< 2 kV	< 2 kV	< 2 kV
	EN 1081	≤10 ⁹ Ω	≤10 ⁹ Ω	≤10 ⁹ Ω
Chemical resistance	EN 423	✓	✓	✓
	ASTM F925-02	✓	✓	✓
Bacterial resistance	EN ISO 846:1999	✓	✓	✓
Antimicrobial activity	ISO 27447	>99 %	>99 %	>99 %
Light fastness	EN 20105 B02	grade 6	grade 6	grade 6
Castor chair resistance	EN 425	✓	✓	✓
Surface treatment		TECHSurface	TECHSurface	TECHSurface
Anti-bacterial and fungicid treatment		Silver Knight	Silver Knight	Silver Knight
Seaming method		heat or cold weld	heat or cold weld	heat or cold weld
Warranty		15 year	15 year	15 year
BACTERIA				
MRSA (Methicillin-resistant Staphylococcus aureus)		<div>Standard ISO 27447:2009 Reduction in number of viable bacteria in 8 hours</div> <div></div> <div></div>		
VRE (Vancomycin-Resistant Enterococcus)				
ESBL (Extended-spectrum β-lactamas producing enterobacter species)				
E-coli				

The most hygienical vinyl sheet flooring

Grabo Silver Knight eliminates harmful bacteria without the use of chemicals

Grabo Silver Knight has a self-disinfecting surface reached by a unique double-defense-line

1st line of defense

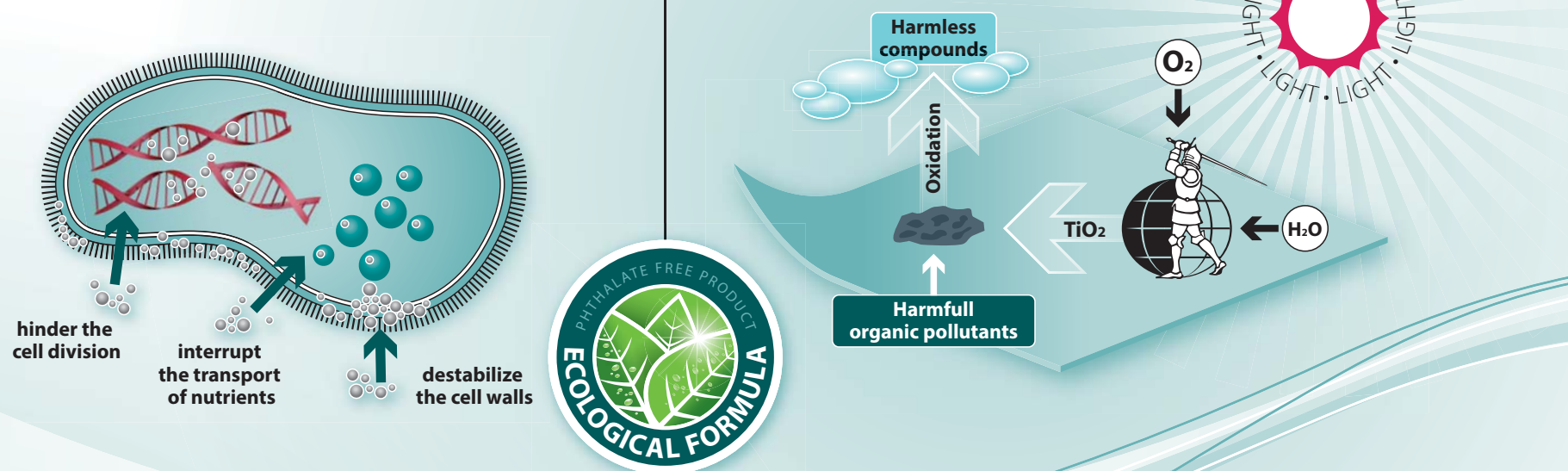
NanoSilver – bacteria is destroyed without the use of chemicals

The disinfecting properties of silver have been known for more than 3000 years. The silver destroys or inactivates microbes such as bacteria, fungi and viruses. This effect of silver results from the ongoing slow diffusion of silver ions.

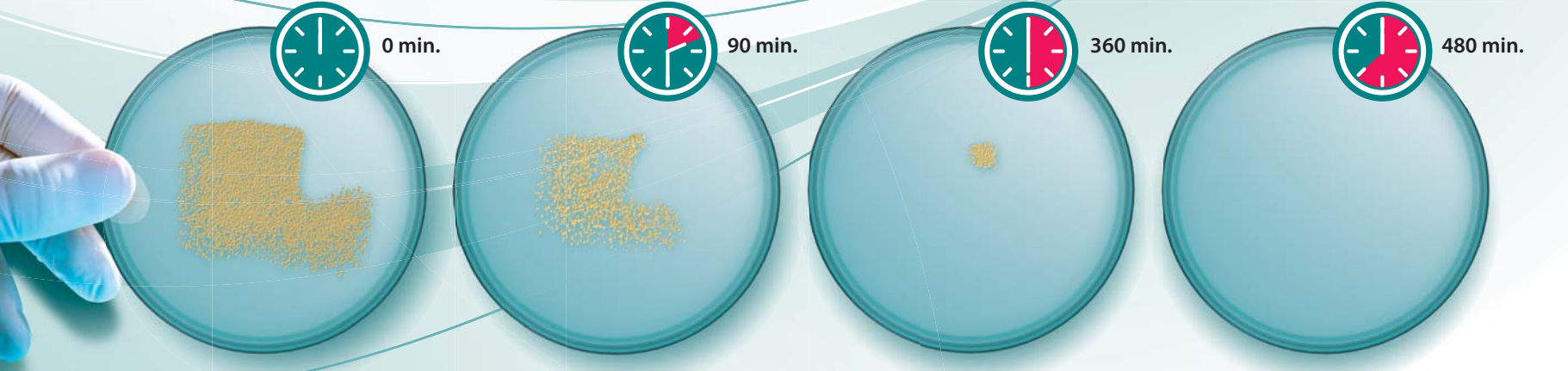
2nd line of defense

NanoTiO₂ – helps to decompose germs

Titanium dioxide is a photocatalyst, operating similar to chlorophyllian photosynthesis which helps transforming harmful substances into harmless compounds through a chemical oxidation process without being consumed.



Elimination process of MRSA



Certified by independent laboratories. Ask for test results.

