

HEALTHCARE VINYL FLOORINGS





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HEALTHCARE VINYL FLOORINGS

We're excited to introduce our new Grabo's 2018 HEALTHCARE catalogue, in that you can find all about our heterogeneous and homogeneous floor and wall covering products recommended for hospitals, clinics, care homes and other healthcare facilities.

WHY GRABO?

• TRADITION

Graboplast Ltd is one of the biggest independent floor covering manufacturer company in Central-Europe with over 110 years of experiance.

• FLEXIBILITY

The key factor of this long-term success is the ability to develop the products that would meet the always changing market requirements.

INNOVATION

Our production is based exclusively on our own technologies and unique production processes developed and improved continuously by our R&D.

QUALITY

The life-long commitment to quality is the basis of stable and reliable business partnership we offer to our clients all around the world.

• SUSTAINABILITY

The Graboplast Company takes considerable efforts to maintain a healthy environment for both its employees and people living around.





ALL PRIMALE



ENVIRONMENTAL ATTRIBUTES OF GRABO VINYI FLOORINGS



PHTHALATE FREE TECHNOLOGY

Grabo floorings contain biologically inert plasticizer which can be used in sensitive areas as well, such as medical devices and children toys. Thanks to the eco-friendly formulations our products have low volatile organic compounds (low VOC), therefore they do not adversely affect the indoor air quality.



100% RECYCLABLE

Beside the carefully selected raw materials and the environment-friendly manufacturing solutions we pay attention to the fact that our products do not impact the environment at the end of their life-cycle either. Accordingly our floorings are 100% recyclable.



NO WASTE PRODUCT

It is important to know that we not only declare that our products can be 100% recycled but we ourselves can convert the production waste and post-consumer waste into valuable raw materials which are incorporated into our floor production.



NO HARMFUL MATERIALS

Grabo floorings are metal and solvent free resulting in reduced global enviromental pollution.



NO WAX

Grabo floorings have reduced cleaning requirements. Enviromental impact is lessened by: no energy needs for waxing, reduced energy needs for cleaning, reduced cleaning agent use, reduced water use, and reduced wastewater generation.















WHAT IS...

SILVER KNIGHT

Grabo Silver Knight eliminates harmful bacteria without the use of chemicals. Thanks to the photocatalytic disinfecting surface Grabo Silver Knight is a perfect solution for the healthcare industries' most pressing issue, the infection control. Its' disinfecting activity is achieved by a unique double-defense-line of NanoSilver and NanoTiO, particles. Independent laboratory testing has certified that Grabo Silver Knight eliminates more than 99% of various types of viable bacteria hence creating a safer healthcare environment.

IGUARD PUR SURFACE

UV cured, cross linked Polyurethane reinforcement which ensures easy cleaning and durability. No additional surface treatment neeiGuard ded for the whole lifetime of the product.

TECH SURFACE

Extreme durability due to PUR and micronized Al₂O₃ particles TECH Surface is a revolutionary new technology which makes the surface not only extremely hard and wear resistant but flexible so the installation can be carried out easily and quickly. The benefits of TECH Surface technology are the excellent stain and chemical resistance, the abrasion resistance and the easy maintenance.

GRABOSAN

Grabo invented graboSAN, the anti-microbe additive contained surface treatment against mold, fungi, yeast, algae and bacteria. The result of the test method given in the International Standard ISO 846:1997 certify that no significant microbe growth could be observed on the graboSAN surface treated floors.



GRABO'S RECOMMENDATION



GRABO'S RECOMMENDATION

ENTRANCE AREAS Entrance Reception, lobby Nurse desk REQUIREMENTS	HEAVY TRAFFIC AREAS Corridors Waiting rooms Stairwells Ramps/elevators REQUIREMENTS	WARDS, ROOMS Patient rooms Bedrooms Children wards REQUIREMENTS	INTENSIVE CARE, DIAGNOSTICS Theatres X-Ray Intensive care Laboratories REQUIREMENTS	STUFF SUPPORT PLACES On-call rooms Lockers Storage rooms Offices Training rooms REQUIREMENTS	WET AREAS WET AREAS Kitchen Laundry Bathroom/toilet REQUIREMENTS	PUBLIC AREAS Meeting rooms Dining rooms Cafeteria Shops REQUIREMENTS	REHABILITATION Physiotherapy Sport areas REQUIREMENTS
 Durability, increased lifespan Slip resistance Reassuring atmosphere Efficient cleaning 	 Excellent durability Low impact resistance Easy maintenance Fire safety 	 Hygiene Underfoot comfort Chemical resistance, easy cleaning Good indoor air quality 	 Electrostactically dissipative/conductive floors Low impact resistance Resistance to surface disinfectants 	 High wear resistance Low impact resistance Visual comfort, aesthetics 	 Slip resistant surface Easy maintenance Good chemical and stain resistance 	 High traffic resistance Attractive design Excellent stain resistance 	 Efficient joint and cartilage protection Underfoot comfort Hygiene
 PRODUCT RECOMMENDATIONS GraboSafe Silver Knight Natural GraboSafe Silver Knight Chips PlankIT Fortis 	 PRODUCT RECOMMENDATIONS Fortis Silver Knight Diamond Tech Silk Silver Knight Diamond Tech Rock Silver Knight Diamond Tech Uni Muravyl wallcovering 	 PRODUCT RECOMMENDATIONS Silver Knight Diamond Tech Silk Silver Knight Diamond Tech Rock Silver Knight Diamond Tech Uni Fortis Muravyl wallcovering 	 PRODUCT RECOMMENDATIONS Conducto Silver Knight Diamond Tech Silk Silver Knight Diamond Tech Rock Silver Knight Diamond Tech Uni Muravyl wallcovering 	 PRODUCT RECOMMENDATIONS Silver Knight Diamond Tech Natural Silver Knight Diamond Tech Rock PlankIT 	 PRODUCT RECOMMENDATIONS GraboSafe Silver Knight Natural GraboSafe Silver Knight Chips Fortis 	 PRODUCT RECOMMENDATIONS Silver Knight Diamond Tech Natural Silver Knight Diamond Tech Rock PlankIT Fortis 	 PRODUCT RECOMMENDATIONS Silver Knight Acoustic 7 Silk Silver Knight Acoustic 7 Natural Sport floorings*
BEST CHOICE	BEST CHOICE	BEST CHOICE	BEST CHOICE	BEST CHOICE	BEST CHOICE	BEST CHOICE	BEST CHOICE



GRABO HEALTHCARE

FORTIS

HIGH PERFORMANCE, NON-DIRECTIONAL HOMOGENEOUS FLOOR COVERING



DESCRIPTION

Slip resistance

Light fastness

Seaming methot

Warranty

Electrical resistance

Chemical resistance

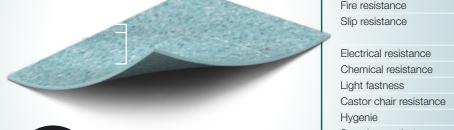
PERFORMANCE, FEATURES & BENEFITS

Excellent abrasion resistance, Unique nondirectional design, Low residual indentation Easy cleaning and maintenance thanks to iGuard PUR Surface, Anti-bacterial, Antistatic

RECOMMENDED USAGE

Corridors | Waiting rooms | Patient rooms

CONSTRUCTION





iGuard PUR Surface Non-directional homogeneous layer

Construction		homogeneous
Binder content	EN ISO 10581	Type I.
Total thickness	EN ISO 24346	2.0 mm
Wear layer thickness	EN ISO 24340	2.0 mm
Width of roll	EN ISO 24341	2 m
Length of roll	EN ISO 24341	20 lm
Total weight	EN ISO 23997	2,8 kg/m ²
CLASSIFICATION		
European classification	EN 685	class: 34/43
PERFORMANCE		
Abrasion group	EN 660-1	T
Residual indention	EN ISO 24343	max. 0.1 mm
Dimensional stability	EN ISO 23999	max. 0.4 %
Fire resistance	EN 13501-1	class: Bfl-s1

DIN 51130

EN 13893

EN 1815

EN ISO 26987 EN 20105 B02

EN ISO 4918

R9

grade 6

10 year

bacterial resistant

hot or cold welding

class: DS < 2 kV





FORTIS





SILVER

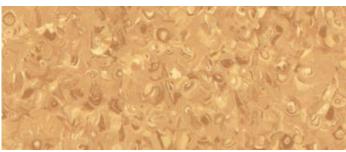




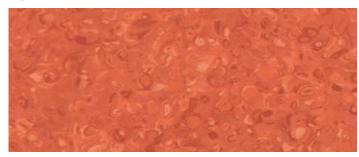
SAND



CARAMEL



KORK

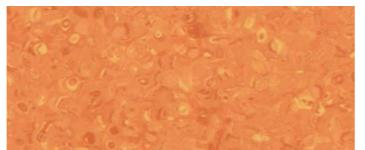


CORAL

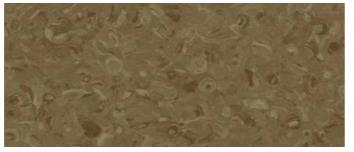




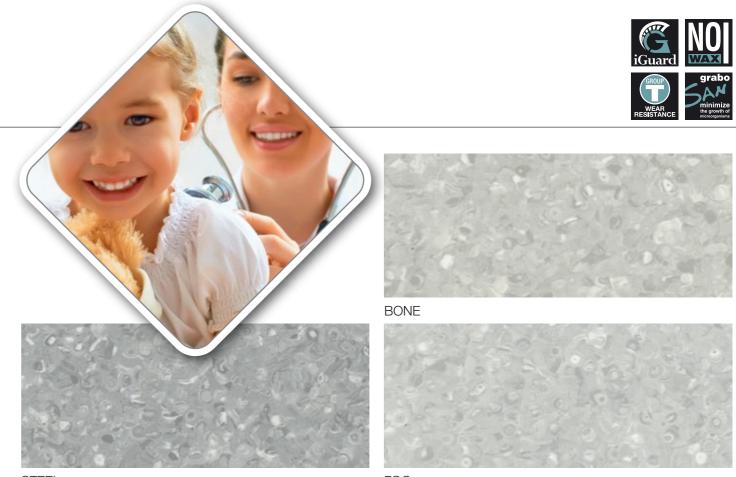
TOBACCO



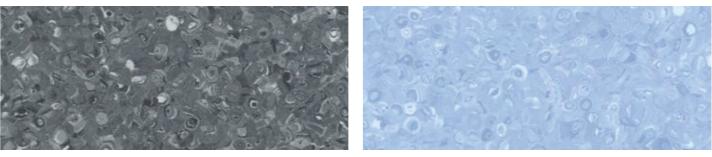
ORANGE



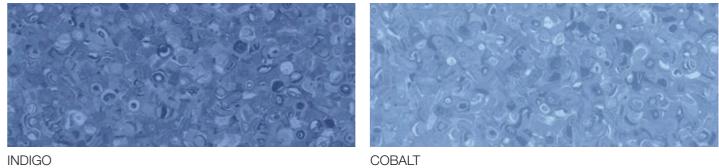
MOCCA



STEEL



ANTHRACITE









FOG

AQUA

COBALT

CONDUCTO

HIGH PERFORMANCE, HOMOGENEOUS FLOOR COVERING WITH ELECTROSTATIC CONDUCTIVE PROPERTIES

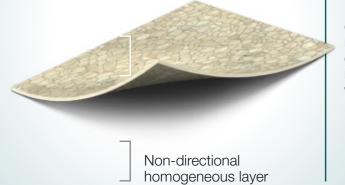
PERFORMANCE, FEATURES & BENEFITS

Guarantees the lasting elimination of electrostatic charges, Due to the highest (group T) wear resistance, Grabo Conducto is a long-term solution. Hinder the aggregation of dust.

RECOMMENDED USAGE

operating rooms in | X-ray departements Laboratories

CONSTRUCTION



DESCRIPTION

Construction		homogeneous
Binder content	EN ISO 10581	Type I.
Total thickness	EN ISO 24346	2.0 mm
Wear layer thickness	EN ISO 24340	2.0 mm
Tile size	EN ISO 24342	608×608 mm
Total weight	EN ISO 23997	2,85 kg/m ²

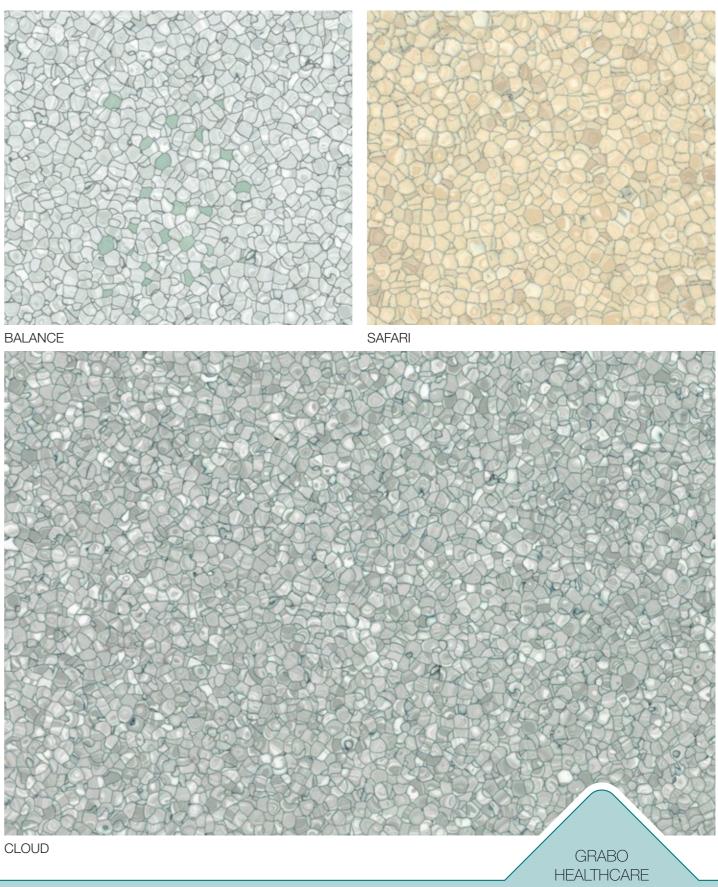
CLASSIFICATION

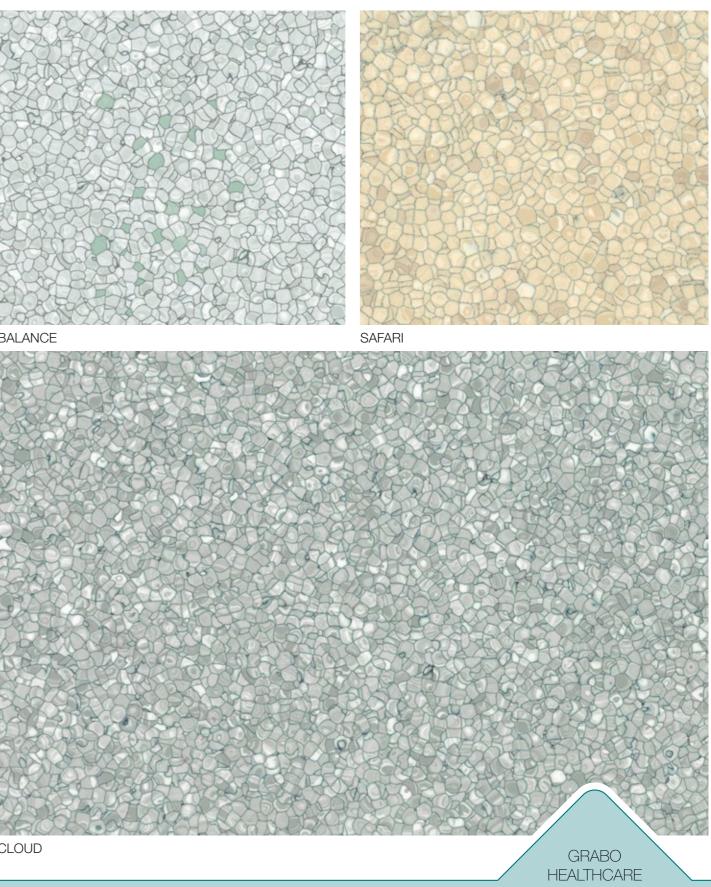
European classification EN 685 class: 34/43

ROTECTIC

PERFORMANCE

Abrasion group	EN 660-1	T
Residual indention	EN ISO 24343	max. 0.1 mm
Dimensional stability	EN ISO 23999	≤ 0.25 %
Fire resistance	EN 13501-1	class: Bfl-s1
Slip resistance	EN 13893	class: DS
Electrical resistance	EN 1815	<pre>< 2 kV</pre>
	EN 1081	R≤1×10 ⁶ Ω
Chemical resistance	EN ISO 26987	$ \checkmark$
Light fastness	EN 20105 B02	grade 6
Castor chair resistance	EN ISO 4918	$ \checkmark$
Bacteria and fungi resistance	EN ISO 846:1999	does not favour growth
Warranty		10 year







SILVER KNIGHT

VINYL SHEET FLOORING

PERFORMANCE. FEATURES & BENEFITS

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.

RECOMMENDED USAGE

Intensive care | Patient rooms Corridors

DESCRIPTION		Silver Knight Diamond Tech	Silver Knight Acoustic 7
Construction		compact heterogeneous	heterogeneous
Total thickness	EN ISO 24346	2,0 mm	3,2 mm
Wear layer thickness	EN ISO 24340	0,7 mm	0,7 mm
Width of roll	EN ISO 24341	2 m	2 m
Length of roll	EN ISO 24341	20 lm	20 lm
Total weight	EN ISO 23997	2,8 kg/m ²	2,6 kg/m ²

CLASSIFICATION

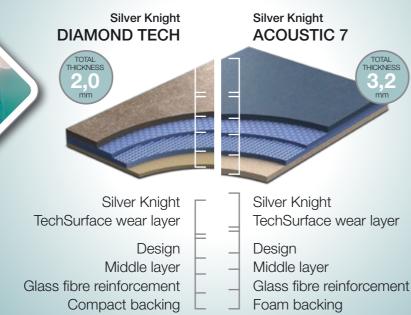
Fi

uropean classification	EN 685	class: 34/43	class: 34/42

DEDEODIANI

PERFORMANCE			
Abrasion group	EN 660-1	Т	T
Residual indention	EN ISO 24343	max. 0,1 mm	max. 0,2 mm
Dimensional stability	EN ISO 23999	max. 0,2 %	max. 0,2 %
Fire resistance	EN 13501-1	class: Bfl-s1	class: Bfl-s1
	ASTM E 648/ 662	class: Class1	-
	Gost 30402-94	G1	G1
Impact sound reduction	EN ISO 717-2	-	ΔL _w =19 dB
Slip resistance	DIN 51130	R9	R9
Electrical resistance	EN 1815	< 2 kV	< 2 kV
	EN 1081	$\leq 10^9 \Omega$	$\leq 10^9 \Omega$
Chemical resistance	EN ISO 26987	$ \checkmark$	
Chemical resistance	EN ISO 26987		
Chemical resistance Bacterial resistance			
	ASTM F925-02	✓ ✓ ✓ >99 %	✓ ✓ ✓ >99 %
Bacterial resistance	ASTM F925-02		↓ ↓
Bacterial resistance Antimicrobal activity	ASTM F925-02 EN ISO846:1999 ISO 27447	✓ ✓ >99 %	
Bacterial resistance Antimicrobal activity Light fastness	ASTM F925-02 EN ISO846:1999 ISO 27447 EN 20105 B02	✓ ✓ >99 %	
Bacterial resistance Antimicrobal activity Light fastness Castor chair resistance	ASTM F925-02 EN ISO846:1999 ISO 27447 EN 20105 B02 EN ISO 4918	✓ ✓ >99 % grade 6 ✓	grade 6
Bacterial resistance Antimicrobal activity Light fastness Castor chair resistance Surface treatment	ASTM F925-02 EN ISO846:1999 ISO 27447 EN 20105 B02 EN ISO 4918	 ✓ >99 % grade 6 ✓ TECHSurface 	grade 6 ✓ TECHSurface
Bacterial resistance Antimicrobal activity Light fastness Castor chair resistance Surface treatment Anti bacterial and fungicio	ASTM F925-02 EN ISO846:1999 ISO 27447 EN 20105 B02 EN ISO 4918	 >99 % grade 6 ✓ TECHSurface Silver Knight 	grade 6 ↓ ✓ ↓ TECHSurface ↓ Silver Knight

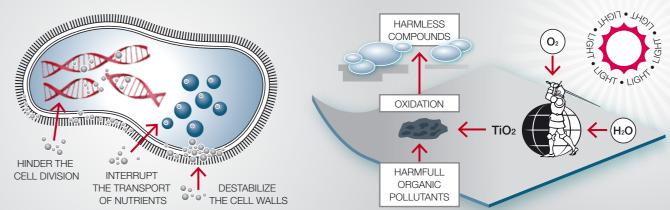
CONSTRUCTION



1ST LINE OF DEFENSE

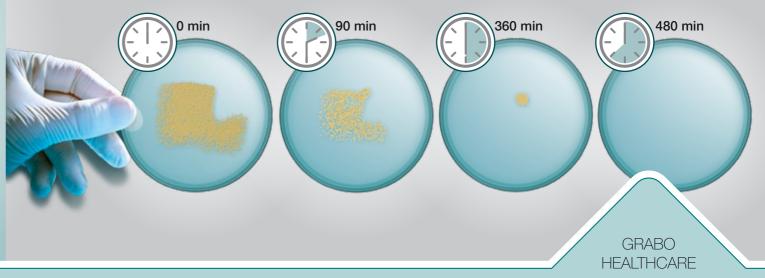
NanoSilver - bacteria is destroyed without the use NanoTiO2 - helps to decompose germs of chemicals

The disinfecting properties of silver have been known to chlorophyllian photosynthesis which helps transforfor more then 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.



GRABO SILVER KNIGHT IS A LOW-MAINTENANCE AND TROUBLE-FREE FLOORING

More effective infection control with easy cleaning Improve indoor air quality 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.



18 | 19



2ND LINE OF DEFENSE

Titanium dioxide is a photocatalyst, operating similar ming harmful substances into harmless compounds through a chemical oxidation process without being consumed.

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.

SILVER KNIGHT ACOUSTIC 7 DIAMOND TECH SILK



SILVER KNIGHT | DIAMOND TECH ROCK

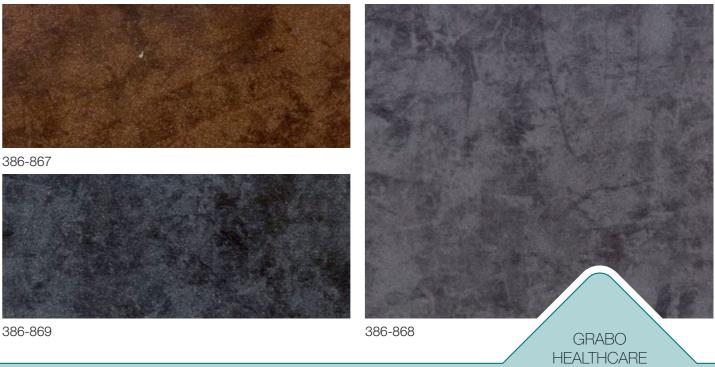


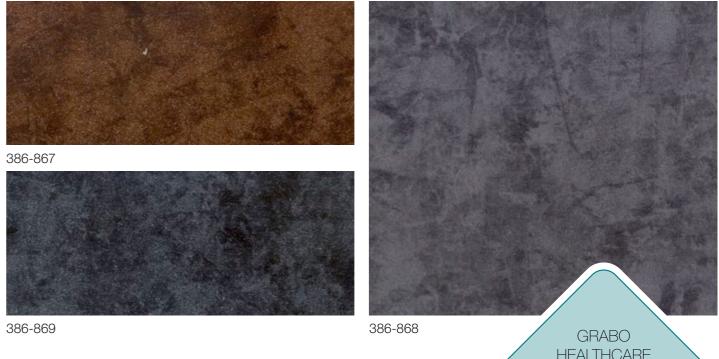


386-856











386-852

386-857

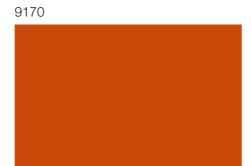
SILVER KNIGHT | DIAMOND TECH UNI

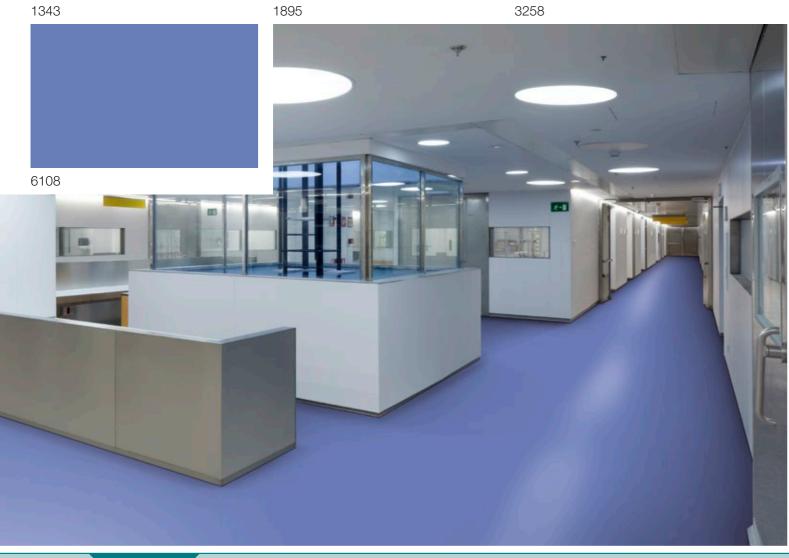


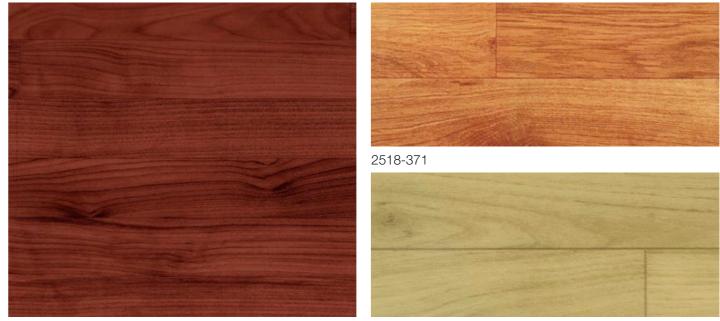
SILVER KNIGHT | DIAMOND TECH







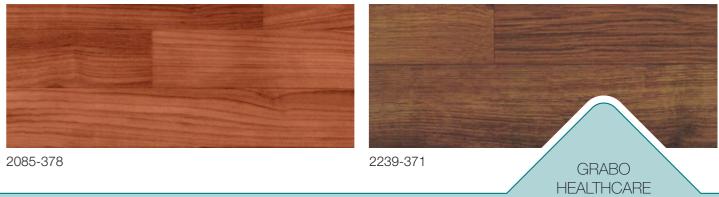




2075-378



3151-378





2561-371

1151-371

SILVER KNIGHT | ACOUSTIC 7 NATURAL









1189-384-873



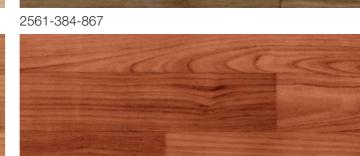
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2085-378-856

1001-384-874



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2518-371-871

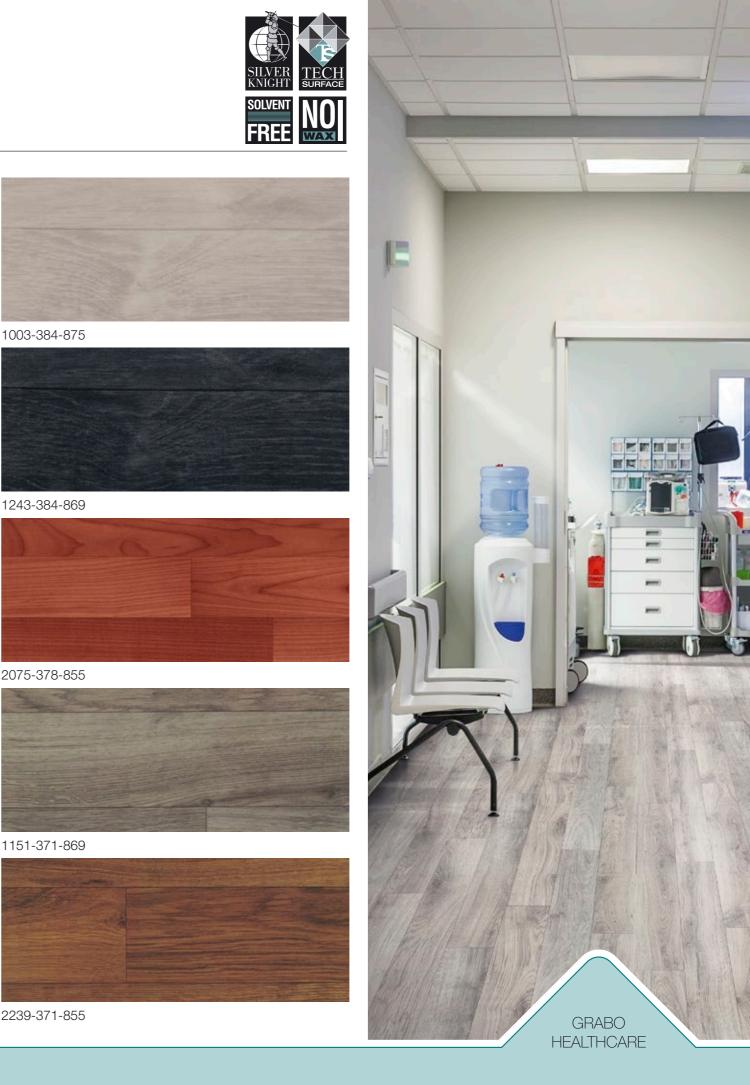


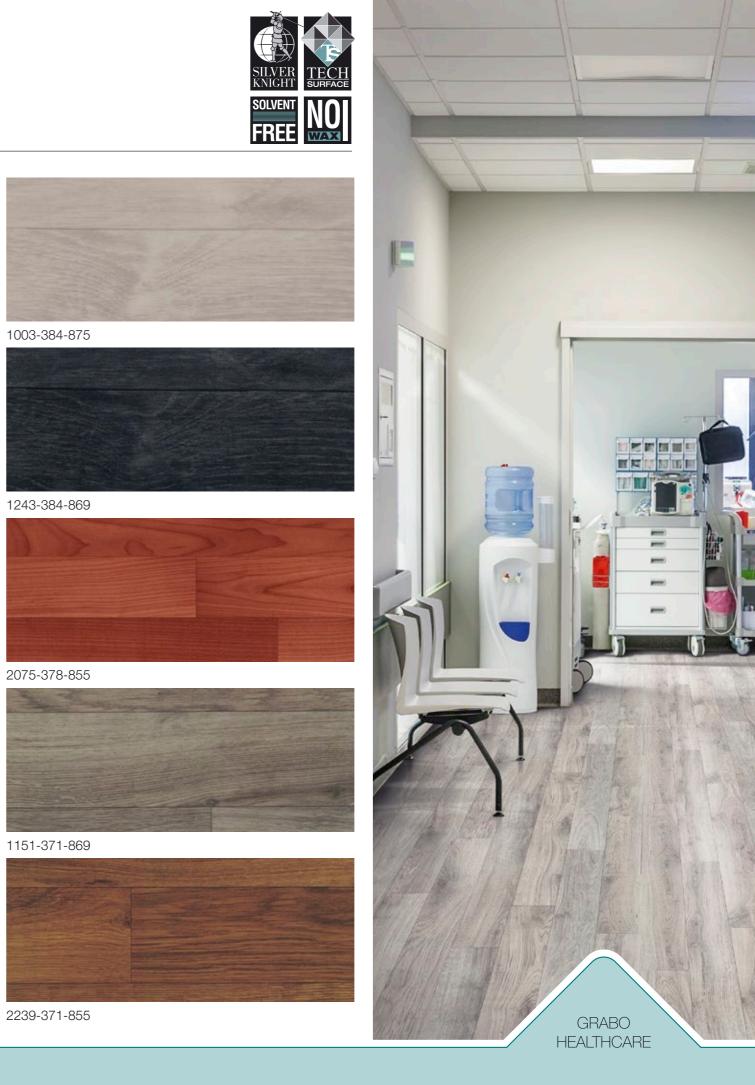












GRABOSAFE SILVER KNIGHT

GRABOSAFE SILVER KNIGHT CHIPS



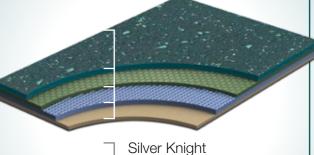
PERFORMANCE, FEATURES & BENEFITS

Destroys harmful bacteria, Excellent slip resistance, Durability, Premium vlies backing, Flexibility, 10 year warranty

RECOMMENDED USAGE

Entrance | Wet areas | Corridors | Elevators |

CONSTRUCTION



Tech Surface wear layer **PVC** Layer

Glass fibre reinforcement

Flexyback®

non-woven backing

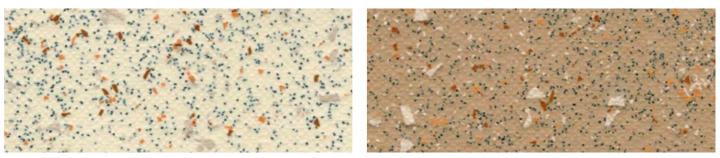
DESCRIPTION		
Construction		compact heterogeneous
Total thickness	EN ISO 24346	2,0 mm
Wear layer thickness	EN ISO 24340	0,7 mm
Width of roll	EN ISO 24341	2 m
Length of roll	EN ISO 24341	20 lm
Total weight	EN ISO 23997	2,6 kg/m ²

CLASSIFICATION

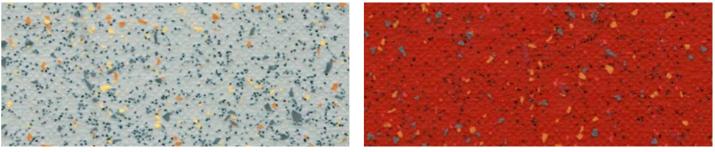
European classification EN 685 class: 34/43

PERFORMANCE

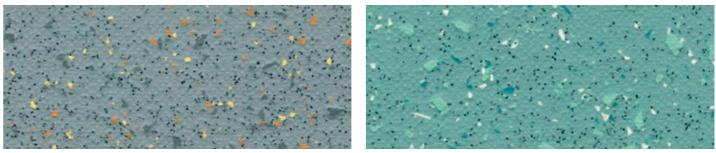
Abrasion group	EN 660-1	T
Residual indention	EN ISO 24343	max. 0,1 mm
Dimensional stability	EN ISO 23999	max. 0,2 %
Fire resistance	EN 13501-1	Bfl-s
Slip resistance	RRL Pendulum Test	>36 (wet test)
	DIN 51130	R10
Chemical resistance	EN ISO 26987	$ \checkmark$
Bacterial resistance	EN ISO846:1999	$ \checkmark$
Light fastness	EN 20105 B02	grade 6
Castor chair resistance	EN ISO 4918	$ \checkmark$
Surface treatment		Tech Surface
Anti bacterial and fungicid tre	eatment	Silver Knight
Seaming methot		hot or cold welding
Warranty		10 year



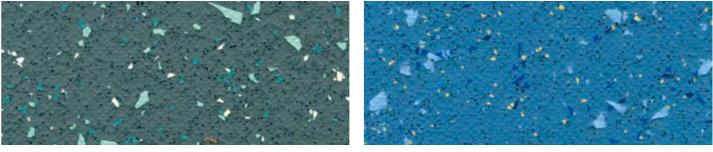
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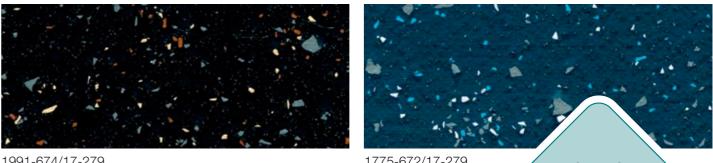
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1279-671/17-279



1294-676/17-279



1991-674/17-279





2294-670/17-279

4934-675/17-279

7088-676/17-279

6339-673/17-279

1775-672/17-279

GRABO HEALTHCARE

GRABOSAFE SILVER KNIGHT







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1003-384-856



2561-384-867





2086-384-855



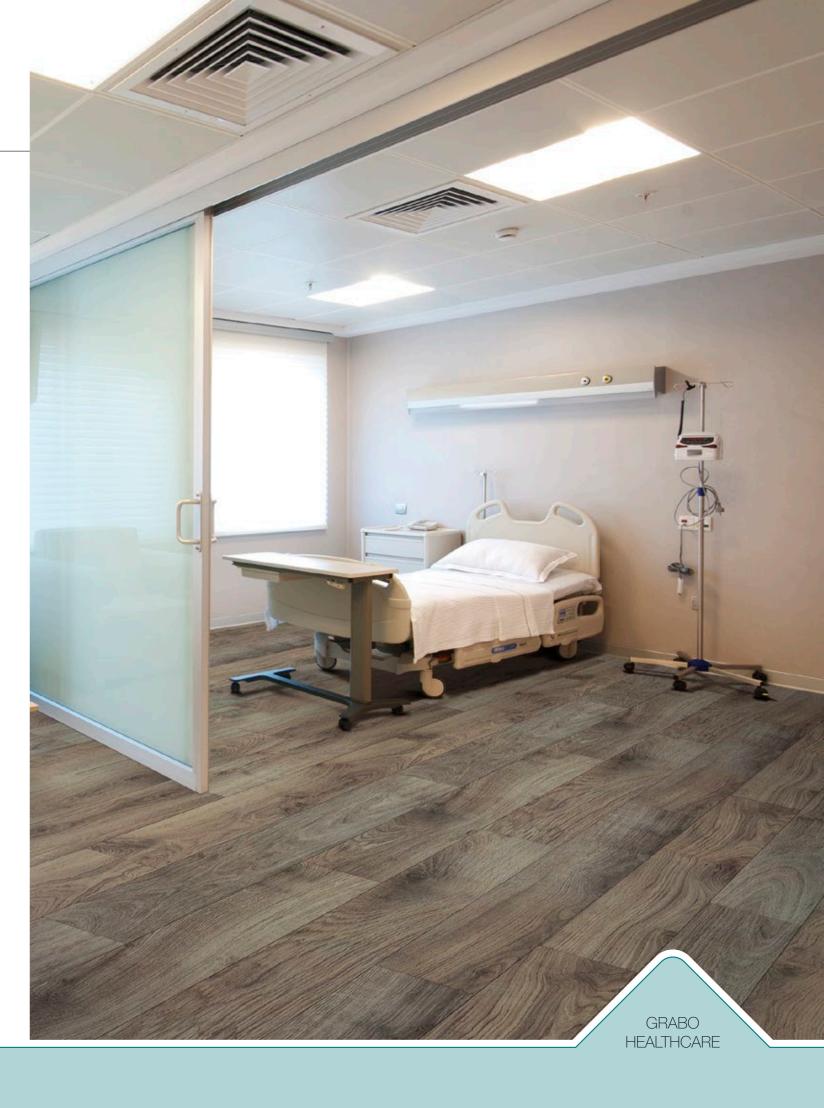
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2096-384-857



1243-384-869



PLANK-IT

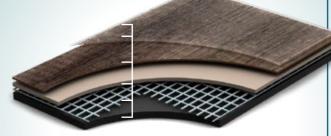
LUXURY VINYL TILE FLOORING FOR COMMERCIAL USE



RECOMMENDED USAGE

Nurse desk | Cafeteria | Dining rooms Waiting rooms

CONSTRUCTION





iGuard PUR
Protective coating
Transparent wear layer
Design printed layer
Middle layer
Glass fibre
Back lavor

Total thickness Wear layer thickness

	-		<u></u>
Total weight	EN ISO 23997	3,8 kg/m ²	antity
			لح 2
CLASSIFICATION			pa
European classification	EN 685	class: 33/42	paletts
Binder content	EN ISO 10582	Type I.	

EN ISO 24346

EN ISO 24346

EN ISO 24346

EN ISO 24346

EN ISO 24340

Luxury Vinyl Tile with iGuard Surface

185×1220 mm

2,5 mm

0,55 mm

158×950 mm* 305×610 mm

PERFORMANCE

DESCRIPTION

Plank size | wood

Plank size | stone

Construction

	PERFURIVIANCE		
	Abrasion group	EN 660-1	Т
	Residual indention	EN ISO 24343	max. 0,1 mm
	Dimensional stability	EN ISO 23999	max. 0,15 %
	Curling	EN ISO 23999	max. 2,0 mm
	Fire resistance	EN 13501-1	class: Bfl-s1
	Slip resistance	EN 13893	class: DS
	Electrical properties	EN 1815	max. 2 kV / Antistatic
	Chemical resistance	EN ISO 26987	\checkmark
		ASTM F925	\checkmark
	Light fastness	EN 20105 B02	grade 6
	Castor chair resistance	EN ISO 4918	\checkmark
	Surface treatment	Guard PUR Surface /	Easy cleaning
	Content of pcp	EN 12673	does not contain
	Formaldehide emission	ENV 717-1	E1 (no emission)
	VOC		pass
	Warranty	Commercial	10 year
		Residential	15 year

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PLANK-IT













BAELISH

STARK









MALISTER



TORMUND



WALDER



LANNISTER



BOLTON

32 | 33







REED



BARATHEON







SELMY



DAVOS



plank-*it* Stone













YGRITTE







LUWIN







TARLY



ROYCE



MURAVYL

HIGH PERFORMANCE FLEXIBLE WALL COVERING



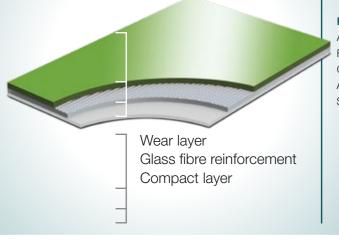
PERFORMANCE, FEATURES & BENEFITS

2 m width, Excellent fire resistance, Dimensionally stable, Anti-bacterial, Antistatic

RECOMMENDED USAGE

Corridors | Waiting rooms | Patient rooms

CONSTRUCTION



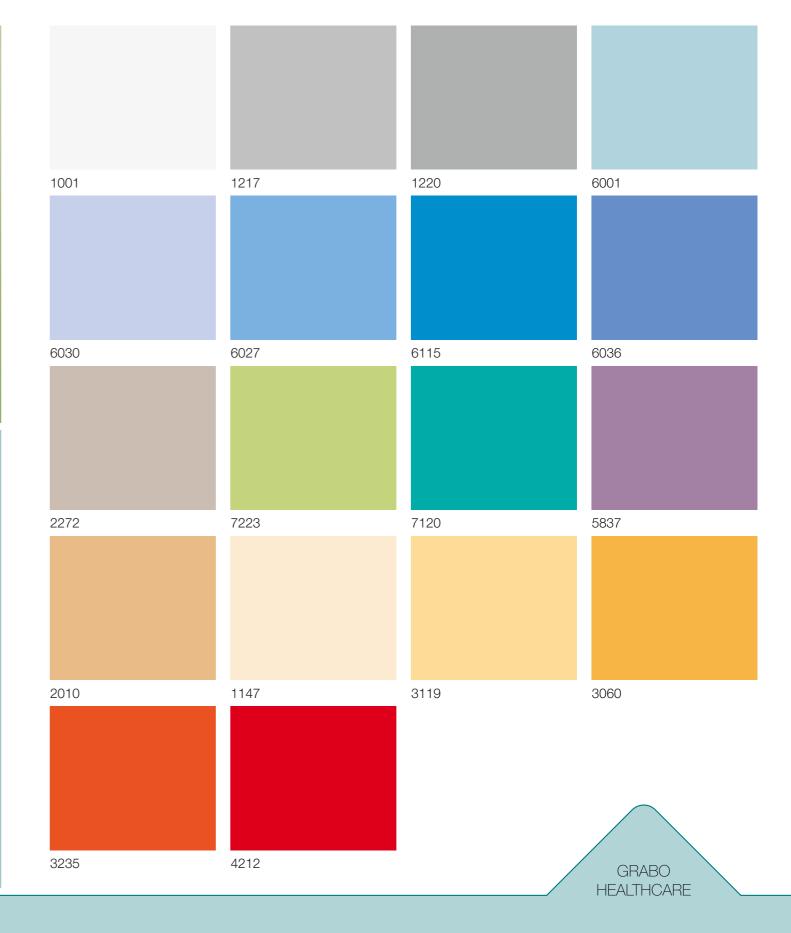
DESCRIPTION		
Construction		compact heterogeneous
Total thickness	EN ISO 24346	1,5 mm
Wear layer thickness	EN ISO 24340	0,5 mm
Width of roll	EN ISO 24341	2 m
Length of roll	EN ISO 24341	25 lm
Total weight	EN ISO 23997	1,4 kg/m ²

CLASSIFICATION

EN 649	\checkmark
EN 433	max. 0.1 mm
EN ISO 23999	max. 0,2 %
EN ISO 105-B02	grade 6
	EN 433 EN ISO 23999

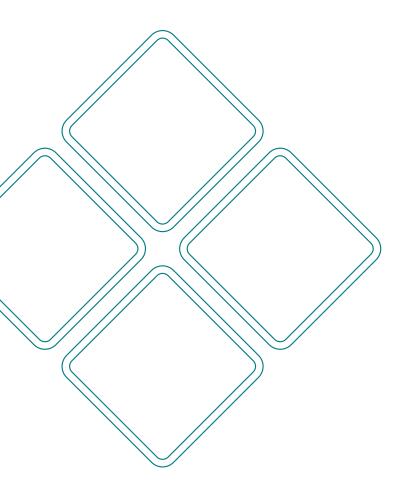
PERFORMANCE

MSZ EN 660-1	T	
EN 13501-1	class: B-s2, d0	
EN ISO 26987		
Anti bacterial and fungicid treatment		
EN ISO846:1999	heat or cold weld	
	EN 13501-1 EN ISO 26987 eatment	











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