

# SILVER KNIGHT

>99%  
BACTERIA  
DESTROYED

THE MOST  
HYGENICAL  
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

Healthcare | Education | Hospitality  
Offices | Retail



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 <sup>2</sup>	2,6 kg/m <sup>2</sup>

### CLASSIFICATION

European classification	EN 685	class: 34/43	class: 34/42
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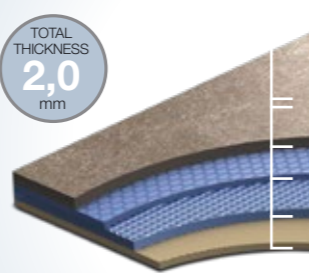
### PERFORMANCE

Abrasion group	EN 660-1	T	T
Residual indentation	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	-	$\Delta L_w=19$ 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	✓	✓
	ASTM F925-02	✓	✓
Bacterial resistance	EN ISO846:1999	✓	✓
Antimicrobial activity	ISO 27447	>99 %	>99 %
Light fastness	EN 20105 B02	grade 6	grade 6
Castor chair resistance	EN ISO 4918	✓	✓
Surface treatment		TECHSurface	TECHSurface
Anti bacterial and fungicid treatment		Silver Knight	Silver Knight
Seaming method		hot or cold welding	hot or cold welding
Warranty		15 year	15 year

## CONSTRUCTION

### Silver Knight DIAMOND TECH

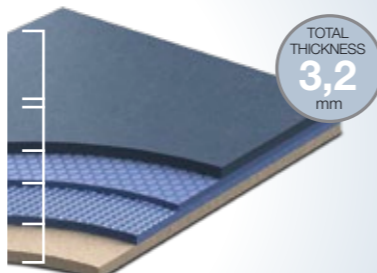
TOTAL  
THICKNESS  
2,0  
mm



Silver Knight  
TechSurface wear layer  
Design  
Middle layer  
Glass fibre reinforcement  
Compact backing

### Silver Knight ACOUSTIC 7

TOTAL  
THICKNESS  
3,2  
mm

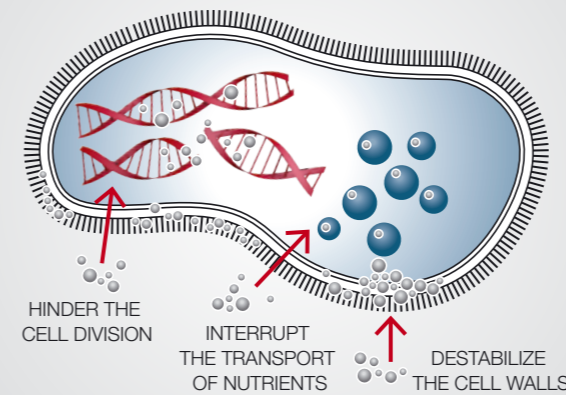


Silver Knight  
TechSurface wear layer  
Design  
Middle layer  
Glass fibre reinforcement  
Foam backing

## 1<sup>ST</sup> LINE OF DEFENSE

**NanoSilver – bacteria is destroyed without the use of chemicals**

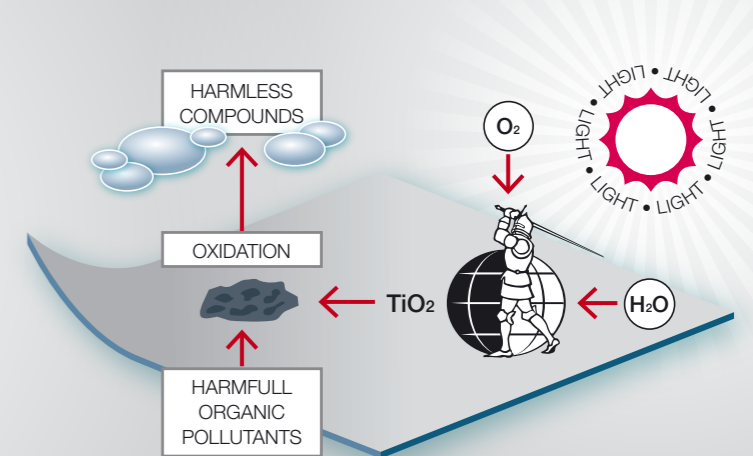
The disinfecting properties of silver have been known for more than 3000 years. The silver destroys or inactivates microbes such as bacteria, fungi and viruses. This effect of silver results from the ongoing slow diffusion of silver ions.



## 2<sup>ND</sup> LINE OF DEFENSE

**NanoTiO<sub>2</sub> – 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.



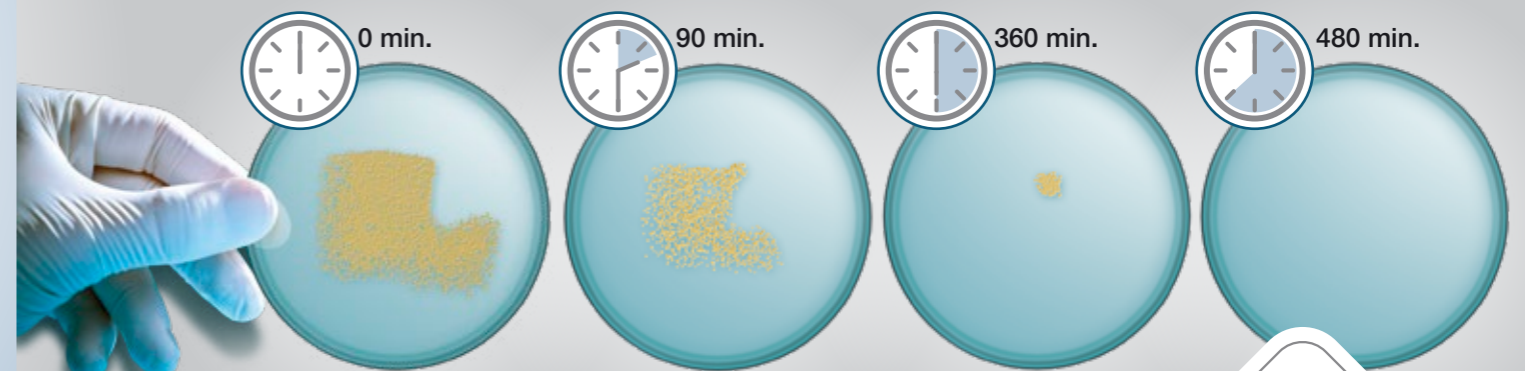
## GRABO SILVER KNIGHT IS A LOW-MAINTENANCE AND TROUBLE-FREE FLOORING

### 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

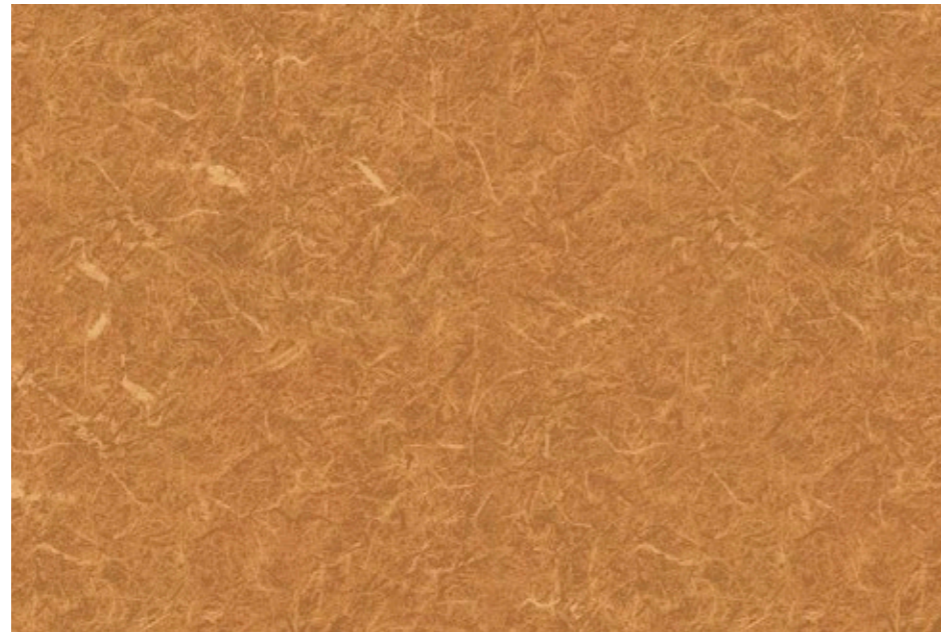
Through photocatalysis odors are decomposed into harmless constituent parts. It works in the same way for pollutants as well, such as nicotine or formaldehyde and unpleasant smells e.g. ammonia or fish odor. Grabo Silver Knight is the ultimate, environmentally sound choice for any facilities.



SILVER KNIGHT



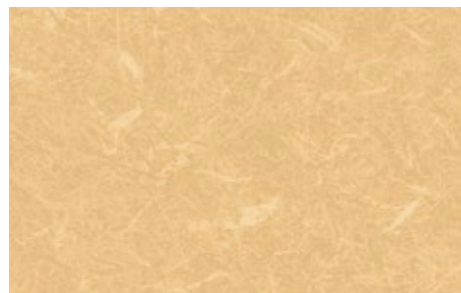
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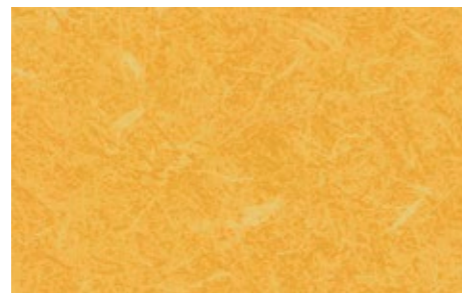
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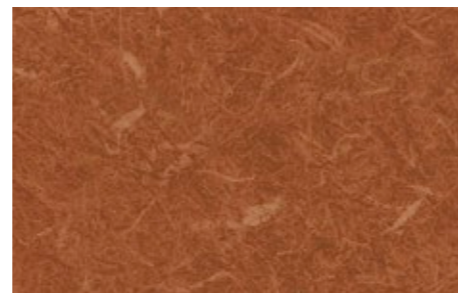
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455-867



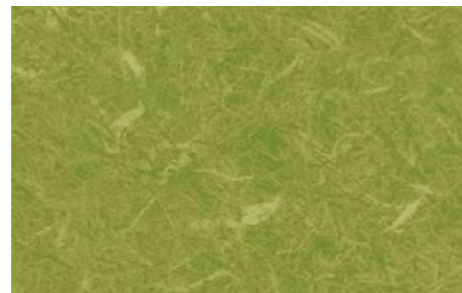
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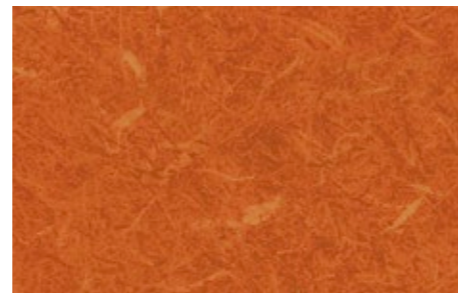
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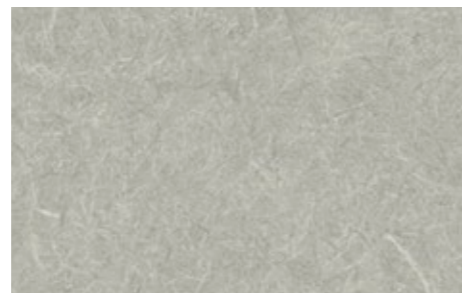
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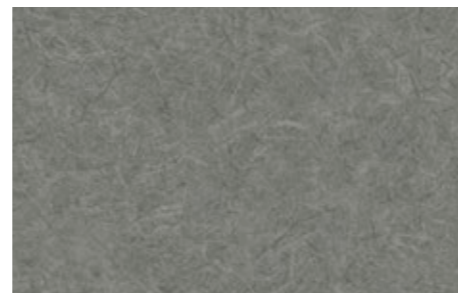
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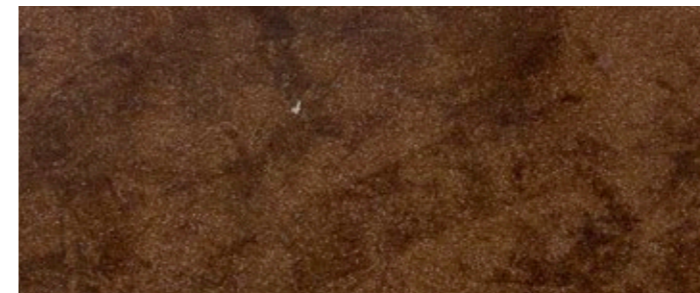
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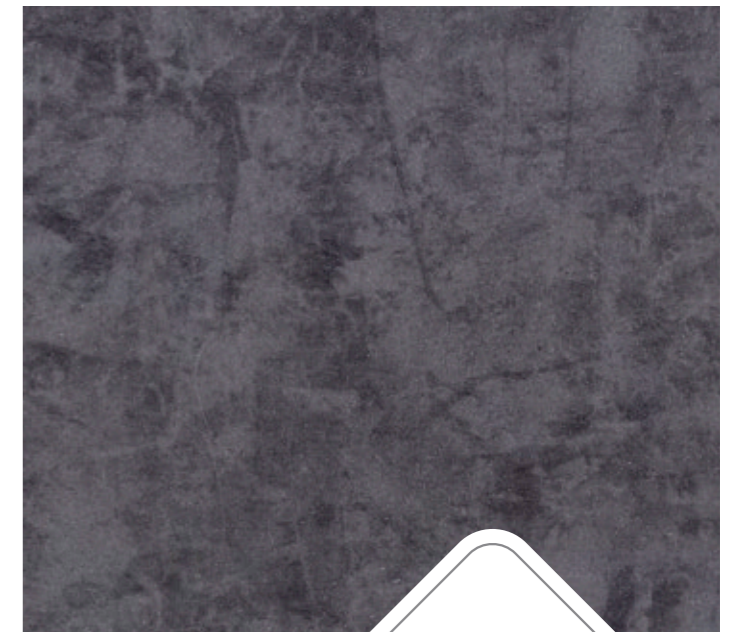
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386-868



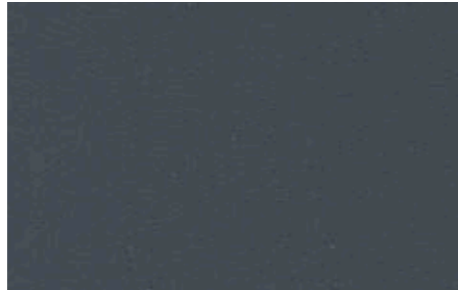
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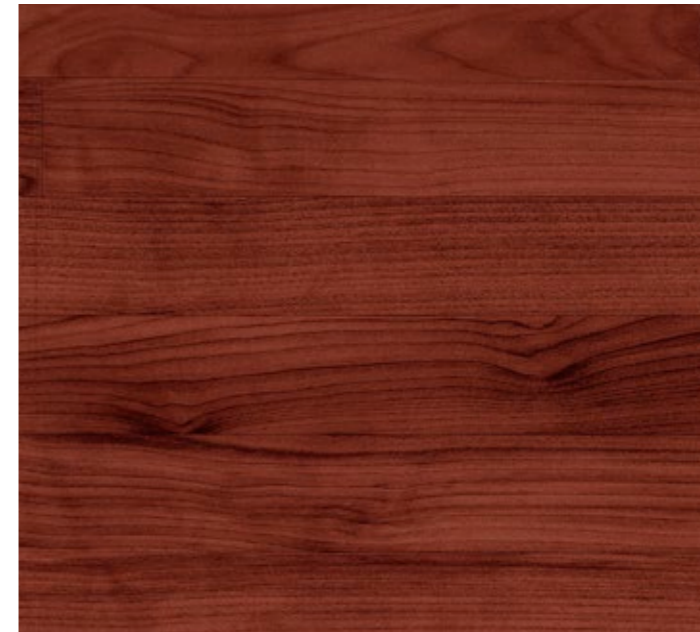
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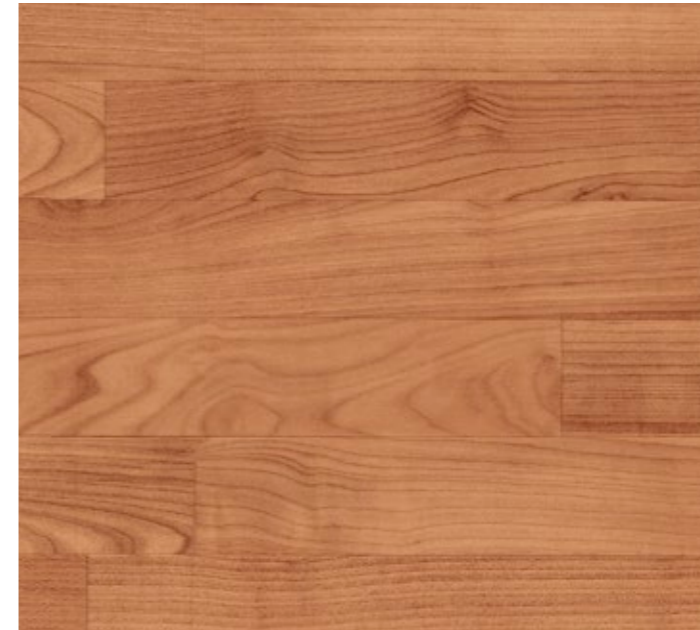
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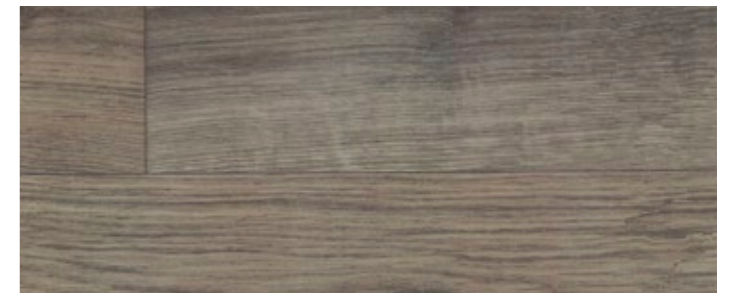
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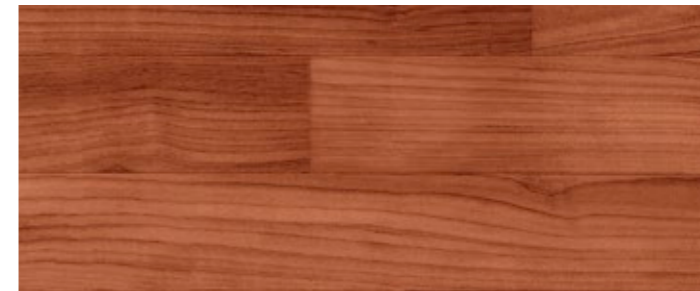
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2239-371

# SILVER KNIGHT | ACOUSTIC 7 NATURAL



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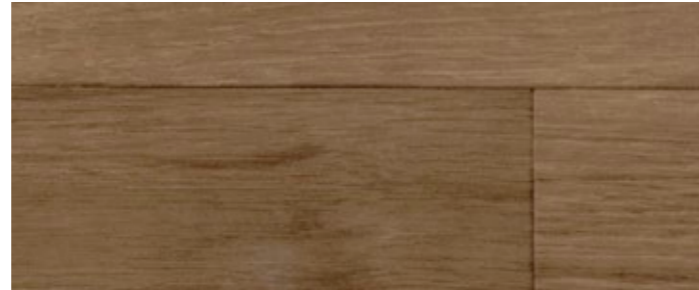
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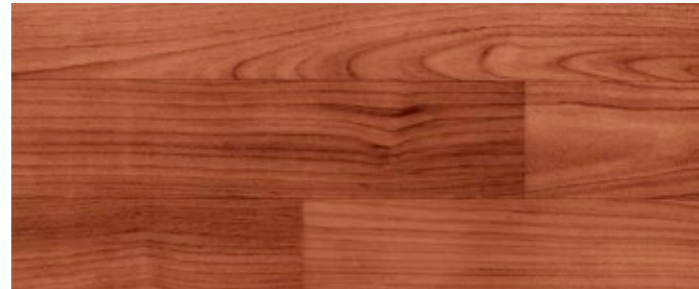
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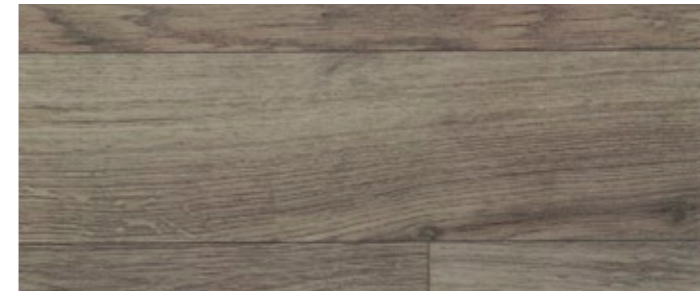
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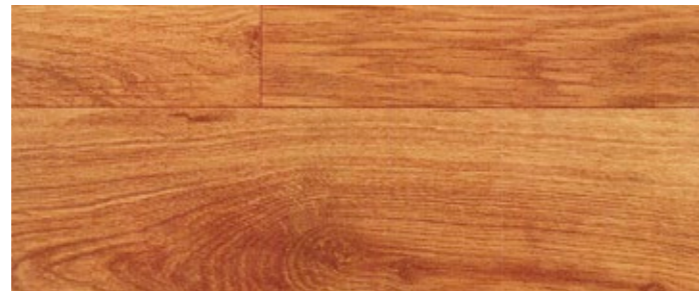
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2518-371-871



2239-371-855



SILVER KNIGHT