

## Grabo Polis vinyl sheet floorcovering specifications

DESCRIPTION	STANDARDS	POLIS
Construction	Non-directional homogeneous flooring	
Product specification (Binder content)	EN ISO 10581	Type I.
Total thickness	EN ISO 24346	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 <sup>2</sup>
<b>CLASSIFICATION</b>		
European classification	EN ISO 10874	class: 34/43
Residual indentation	EN ISO 24343	max 0.1 mm
Dimensional stability	EN ISO 23999	max 0.2 %
	EN ISO 23999	average 0.1 %
Curling	EN ISO 23999	max. 8 mm
<b>PERFORMANCE</b>		
Fire resistance	EN 13501-1	Class: Bfl-s1
Slip resistance	DIN 51130	R9
	EN 13893	Class: DS
Castor chair resistance	EN ISO 4918	✓
Light fastness	EN 20105 B02	grade 6
Thermal resistance	EN 12524	0.012 m2KW
Chemical resistance	EN ISO 26987	✓
Bacteriostatic activity	ISO 22196	>99%
Surface treatment	Silver Knight iGUARD	
Environmental attributes	Phthalate-, solvent and heavy metal free	
Seaming method	heat or cold weld	
VOC emission	ISO 16000-6	<10 µg/m <sup>3</sup> (after 28 days)
Formaldehyde emission	ENV 717-1	E1 (no emission)



## Ecological Formula

Environmental attributes of Grabo vinyl sheet floorings

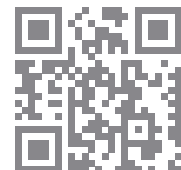


GRABOPLAST

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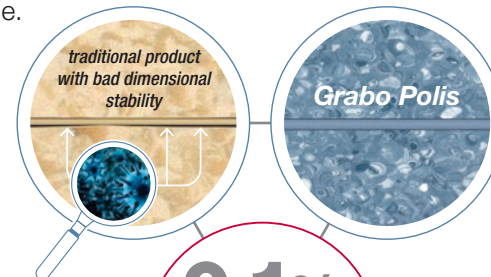
It's not only the size that matters...

## BUT OFTENTIMES DIMENSIONAL STABILITY AS WELL...

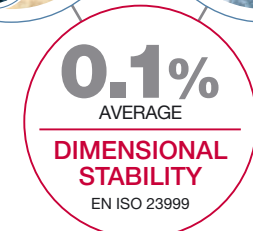
With the development by Graboplast, Grabo homogeneous products launch a new category in the world of homogeneous floors.

The dimensional stability of homogeneous floors, acc.to EN ISO 23999 standard, is maximum 0.4%. Thanks to our special manufacturing technology, GRABO homogeneous floors change their size on average only by a fourth of this value, compared to the others, therefore they can resist the passing years much better.

Changes in the dimension of the floor coverings might cause gaps alongside the weldings, where *pathogens and contamination* might settle then, making appropriate cleaning and disinfection almost impossible. This is prevented by the new development of Graboplast, which makes maintenance even easier, guaranteeing a trouble-free surface for a long time.



Dimensional stability  
EN ISO 23999  
maximum: 0.2%  
average: 0.1%



GRABO

POLIS



# Polis

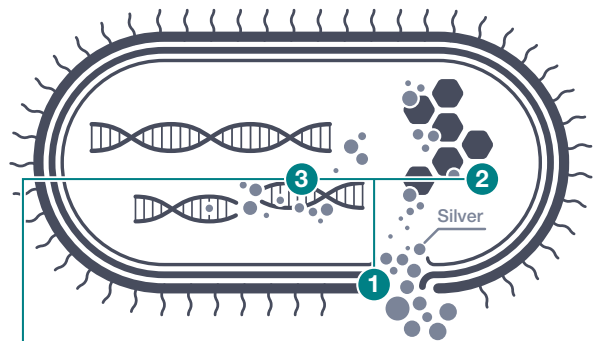
Non-directional homogeneous multipurpose flooring







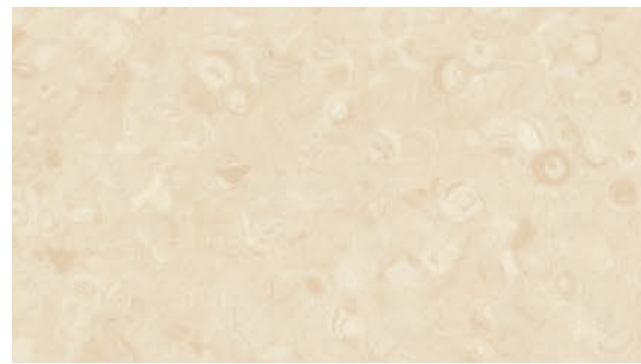
The new Silver Knight has an integrated self-disinfecting property that provides a broad spectrum and long-lasting hygiene thanks to its modified silver content.



- 1 Silver disrupts the cell wall of the bacterium
- 2 modifies the enzymes needed for the energy production of the cells, so the pathogen does not get nutrients
- 3 and inhibits the reproduction of the bacterium's DNA, preventing it from multiplying.

As a result of Silver ion, the microbe is destroyed in a short time. Test results by independent institutes have certified that products with Grabo Silver Knight surface are effective against the most common bacteria and even kill 99,9% of human coronavirus.

# GRABO Polis



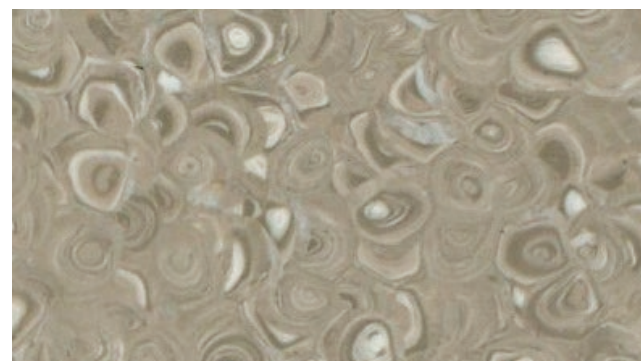
CREME



SHELL

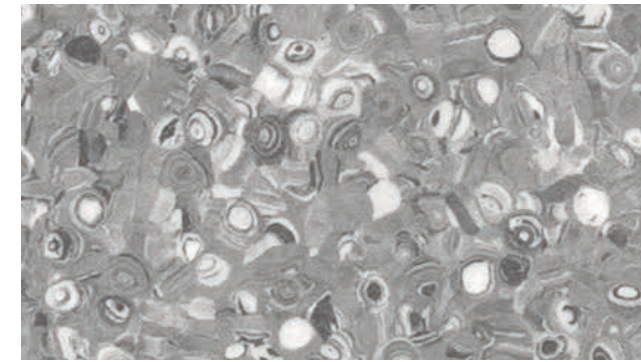


ALMOMD

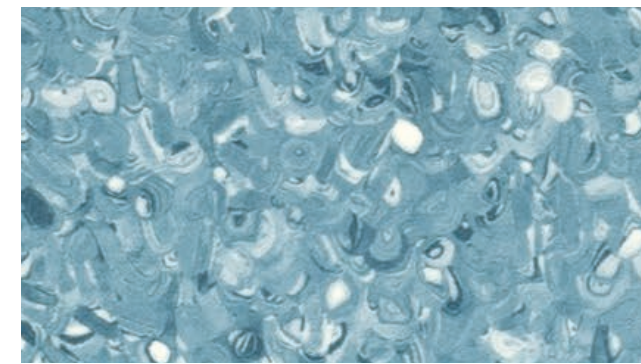


MELANGE

GRABO Polis | Non-directional self-disinfecting homogeneous flooring



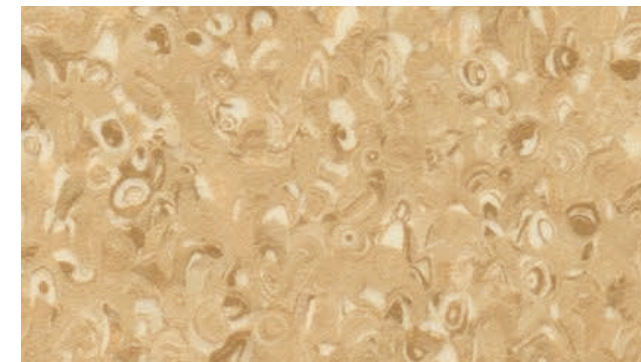
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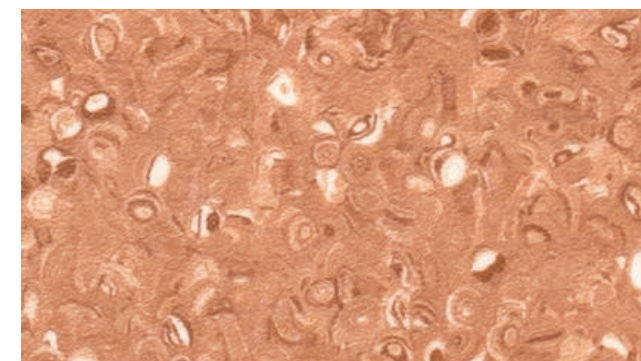
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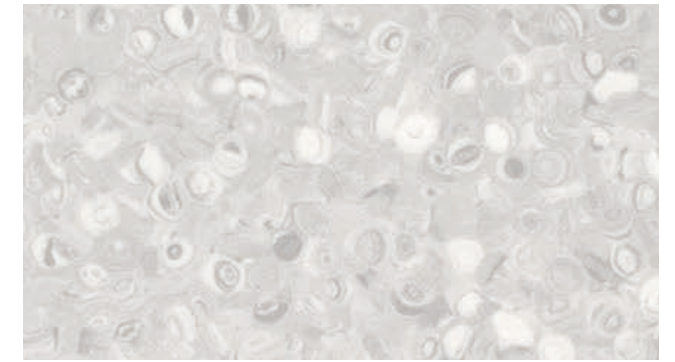
BLONDE



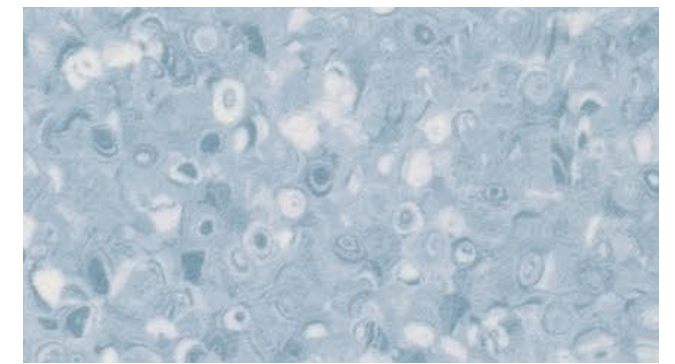
CAMEL



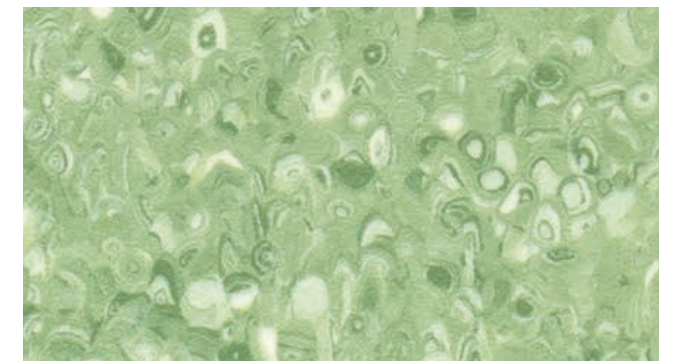
CLAY



KOALA



WATER



EMERALD



SUN



RUBY