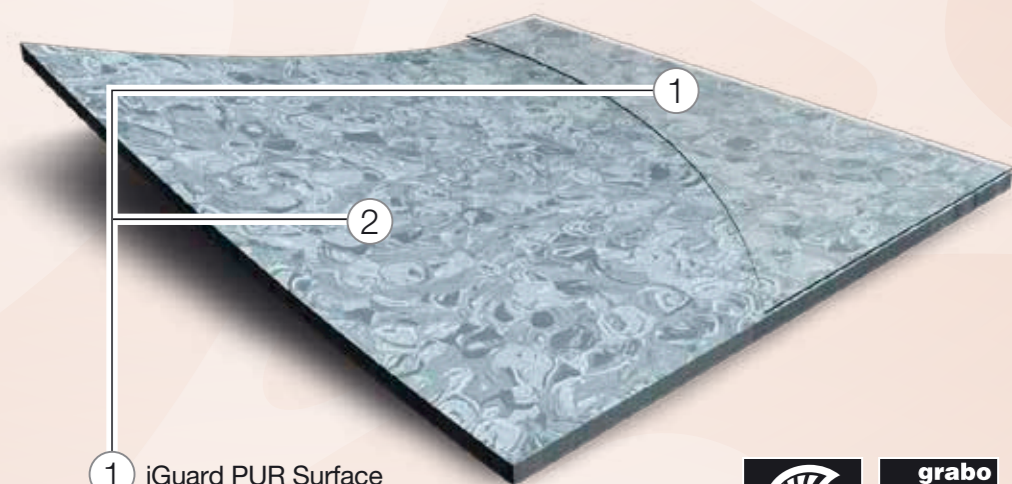


# FORTIS

...is a high performance, durable homogeneous floor covering with a sophisticated non-directional design.

GRABO FORTIS achieves the highest abrasion wear rating **Group T** (EN 660). Binder content exceeds 55% of the flooring composition, making Grabo Fortis a more durable Type I. floor covering (EN ISO 10581)

## CONSTRUCTIONS



### PERFORMANCE FEATURES & BENEFITS

- Excellent abrasion resistance
- Unique non-directional design
- Low residual indentation
- Easy cleaning and maintenance due to iGuard PUR Surface
- Anti-bacterial
- Antistatic

### RECOMMENDED USAGE

- Healthcare • Education
- Offices • Other public areas

### ENVIRONMENTAL ATTRIBUTES

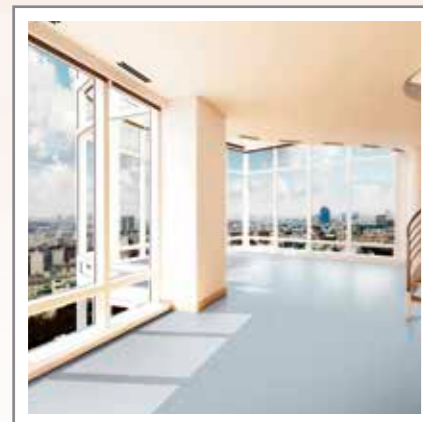
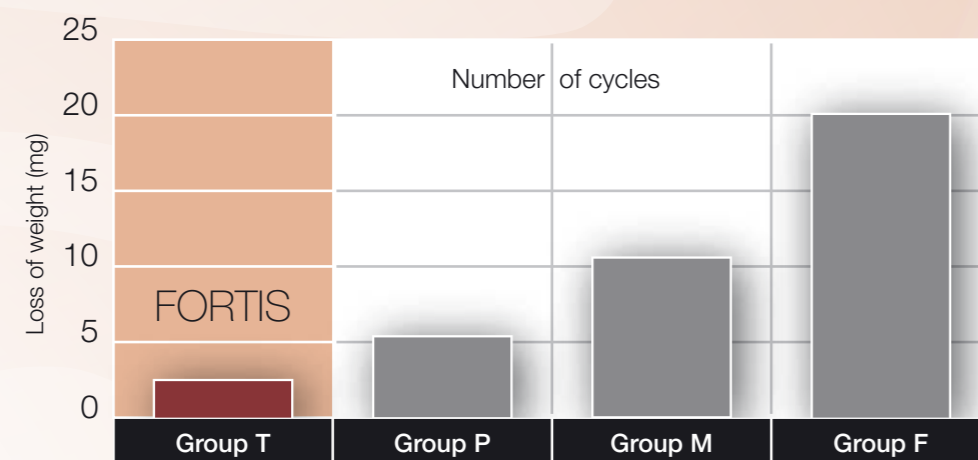
- Phthalate free
- Solvent free
- Heavy metal free
- 100% recyclable
- NO WAX product
- No waste technology



ABRASION GROUPS (Low # equals Greater Durability)

	Group T	Group P	Group M	Group F
Thickness loss ( $\Delta l$ ) in mm	EN 660-1 $\Delta l \leq 0,08$	$0,08 < \Delta l \leq 0,15$	$0,15 < \Delta l \leq 0,30$	$0,30 < \Delta l \leq 0,60$
Volume loss ( $F_v$ ) in mm <sup>3</sup>	EN 660-2 $F_v \leq 2,0$	$2,0 < F_v \leq 4,0$	$4,0 < F_v \leq 7,5$	$7,5 < F_v \leq 15,0$

ABRASION GRAPH



## GRABO FORTIS SPECIFICATIONS

TECHNICAL PARAMETERS	STANDARDS	FORTIS
<b>DESCRIPTION</b>		
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 rolls	EN ISO 24341	20 lm
Total weight	EN ISO 23997	2,7 kg/m <sup>2</sup>

CLASSIFICATION		
Product specification	EN 649	✓
European classification	EN 685	Class: 34/43
Residual indentation	EN 433	max. 0,1 mm
Static Load Limit	ASTM F970	800 Lbs
Dimensional stability	EN ISO 23999	max 0,4 %
Light fastness	EN ISO 105-B02	grade 6

PERFORMANCE		
Abrasion group	MSZ EN 660-1	T
Fire resistance	EN 13501-1	Bfl-s1
Smoke Density	ASTM E662	Pass
Critical Radiant Flux	ASTM E648	Class 1
Slip resistance	DIN 51130	R9
	EN 13893	DS
Thermal resistance	EN 12524	0,012 m <sup>2</sup> K/W
Static Coefficient of Friction dry	ASTM D2047	> 0,8
Chemical resistance	EN ISO 26987	✓
	ASTM F925	✓
Hygiene		Bacterial resistant
Castor chair resistance	EN ISO 4918	✓
Surface treatment		iGuard PUR Surface
Environmental attributes		Phthalate-solvent and heavy metal free
Seaming method		heat or cold weld



### iGUARD PUR SURFACE

UV CURED with CROSS LINKED POLYURETHANE REINFORCEMENT. ENSURES EASY CLEANING AND DURABILITY. NO ADDITIONAL SURFACE TREATMENT NEEDED FOR THE ENTIRE LIFE OF PRODUCT.



**surface materials**  
The ultimate in interior finish products.

**(440) 248-0000**  
6655 parkland boulevard  
solon, ohio 44139  
(440) 519-1950 fax  
www.surfacematerials.com



## GRABO FORTIS

Non-directional homogeneous floor covering

