ANTI SKIDDING AND ANTIFOULING
ENVIRONMENTAL PROTECTION
ANTISEPTIC ERASUR

Wolflor® flooring expert iFORLONG

HETEROGENEOUS FLOORING

PLOYVINYL CHLORIDE COMPACT & FOAMING FLOOR COVERING

WARRANTY 10 YEARS WARRANTY

CE ISO 9001 SGS ISO 14001 SGS TM

EDUCATION HEALTHCARE OFFICES STORES SPORTS

HETEROGENEOUS FLOORING
POLYVINYL CHLORIDE COMPACT&FOAMING

Wolflor® flooring expert iFORLONG

23 34 43

Charcteristics	Standard	Unit	Result
Type of flooring	ISO 10581 - EN 649		Heterogeneous Floor
Material			Polyvinyl chloride
Cover			UV
Safety criteria			
Flammability	EN 13501-1	class	B_{fl} - s1
Sound	ISO 10140	dB	19
Slip resistance	DIN 51130	group	R9
Dynamic coefficient of friction	EN 13893		≥0.3
Performance behaviour			
Sheet width	ISO 24341 - EN 426	m	2
Sheet length	ISO 24341 - EN 426	m	20
Overall thickness	ISO 243416 - EN 428	mm	1.5 - 3.5
Wear layer thickness	ISO 24340	mm	0.1 - 1.2
Total weight	ISO 23997 - EN 430	kg/m²	2.0 - 3.5
Wear resistance	EN 649	group	T
Residual indentation	ISO 24343 -1 - EN 433	mm	≤0.2
Dimensional stability	ISO 23999 - EN 434	%	X<0.4, Y<0.4
Color fastness	ISO 105 - B02	rating	≥6
Resisitance to staining	EN 423		No stain
Bend resistance	GB/T 11982.2 - 2015		No
Antibacterial	ISO 22196		Level 1
Anti iodine			Good
Classification			
Domestic	ISO 10874 - EN 685	class	23 heavy duty
Commercial	ISO 10874 - EN 685	class	34 very heavy duty
Industrial	ISO 10874 - EN 685	class	43 heavy duty
Additional property			
Castor Chair	√	Antistatic Behavious	√
Underfloor Heating	√	Chemical Resistance	√

CE ISO 9001 SGS ISO 14001 SGS PHTHALATE FREE 100% RECYCLABLE Formaldehyde Free ECO FRIENDLY <100μg/m³ Better Indoor Air Quality *TVOC AT 28 DAYS

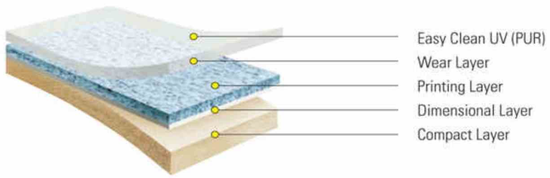
Wolflor® flooring expert iFORLONG

Commercial

Economically practical choice for moderate commercial areas by a highly-densed calendering process.

Hospital | Education | Kindergarden | Corridor | Office | Stairs | Restaurant

Basic Construction



Feature

Hard Construction and Dimensionally Stable
- Glass paper inlaid structure allows strong resistance to heat and moisture

Easy Clean PUR Coating
- Prevents contaminations and allows easy maintenance
- IFORLONG's unique surface treatment technology-Easy Clean UV- prevents any outer contaminants from penetrating and helps easy cleaning through its 'Lotus effect mechanism'

IFORLONG (Easy Clean)

VS

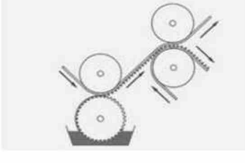
Competitor (Contamination level)

Exceptional Image Reality
High resolution image printed through transfer printing technology

IFORLONG(Transfer Printing)

VS

Competitor(Normal Printing)



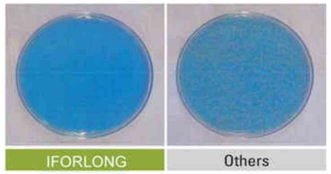
< Transfer printing technology >

High resolution due to sole delivery of printed ink on non-porous PET film (ink carrier) to even surface of vinyl-coated sol

Feature

Easy Clean UV Surface Treatment
- Highly dense web-structured coating
- Uniquely strong resistance to contamination
- Polish or wax coating isn't allowed without stripping process

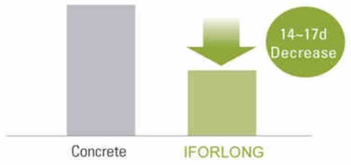
Special treatment gives excellent resistance to bacteria


IFORLONG | Others

Superior durability by reinforced wear layer

IFORLONG | Others

Excellent foamed construction for sound absorption



Technical Data

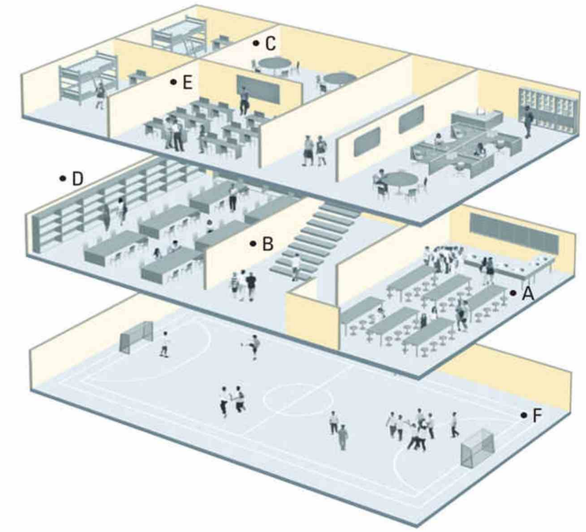
Test Items	Test Method	Test Results
Flammability	EN 13501-1	Bfl-S1, T1
Slip Resistance	DIN 51130	R9
VOC	GB 18586-2001	Qualified
Toal Thickness	EN 428	1.8mm
Roll Length	EN 426	20m
Roll Width	EN 426	2m
Total Weight	EN 430	2300g/㎡
Wear Layer Thickness	EN 429	0.3mm
Abrasion Group	EN 660	Group.P
Pressure-resistant Properties	EN 433	0.16
Colour Fastness	EN ISO 105-802	≥6
Chemical Resitance	EN 423	Well
Dimensional Stability	EN 434	≤0.13%
Castor Chair	EN 425	≥80000
Sound Insulation	EN ISO 717-2	19db
Electrical Resistance	EN 1081	≤10⁶Ω
Poridan Iodine	ASTM F925	Good

Education

Creating effective learning environments

REQUIREMENTS

- **Acoustics** _Create quiet, learning atmosphere by absorbing noises
- **Ease of Maintenance** _A product for easy cleaning from stain and contamination, etc.
- **Design Flexibility** _A product with possession of color which can create various space according to usage and grade
- **Safety and Good Slip Resistance** _A product with possession of excellent slip resistance and safety
- **Hygiene and Cleanliness** _A product with anti-bacterial function for suppressing multiplication of bacteria
- **Comfort Underfoot and Shock Absorption** _Convenient Walk-ability and impacts absorptiveness for various sport activities



Product Recommendations

Educational facility is a space primarily used to create a better future.

The environment must be prepared and arranged for our children suitable from kindergarten to university level of education.

• A | Classroom

• B | Corridor

• C | Cafeteria

• E | Libraries

• F | Preschool

• G | Gyms / Multipurpose

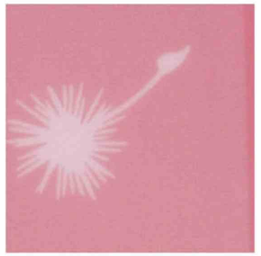
Education

Creating effective learning environments

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd3901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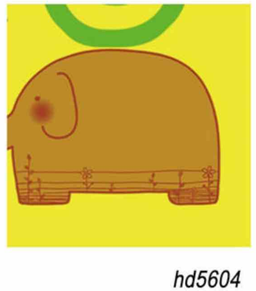
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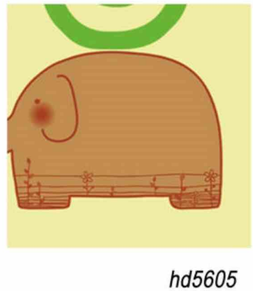
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hd5607

pure05

pure06

pure08

pure09

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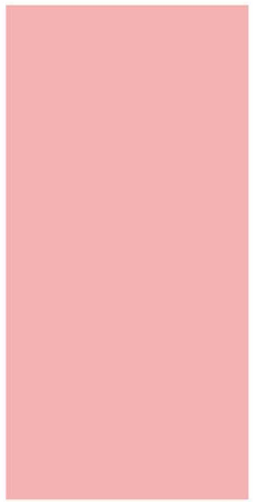
pure10

pure16


pure17

pure18

Color of the above product can be different from actual product color.

Education

Creating effective learning environments

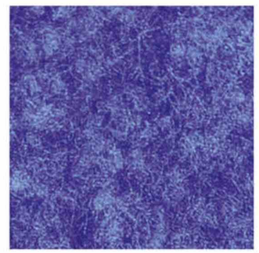
SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd3301

hd3302

hd3303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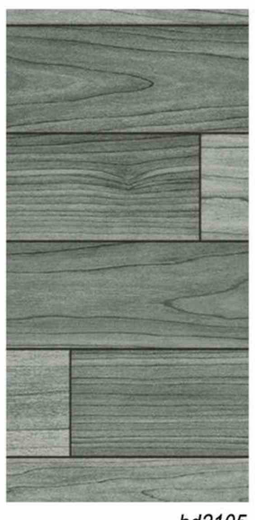
hd2102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hd4103

hd4104

hd4301

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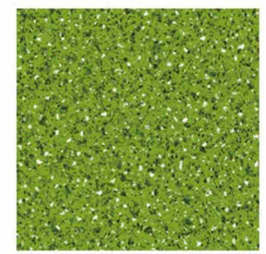
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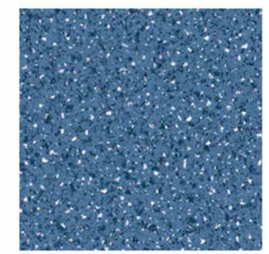
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hd3601

hd3602

hd3607

hd3610

Color of the above product can be different from actual product color.

Education

Creating effective learning environments

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd3701

hd3704

hd3709

hd3710

hd5001

hd5002

hd5008

hd5010

hd3801

hd3804

hd3805

hd3810

hd8402

hd8403

hd8404

hd8405

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Education

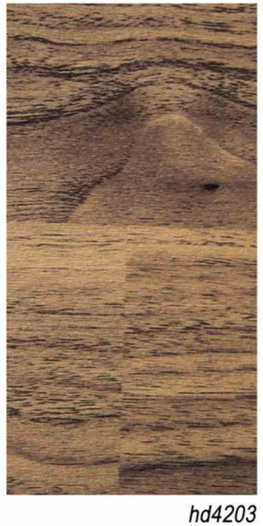
Creating effective learning environments

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd4201

hd4202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hd4204

hd8701

hd8702

hd8706

hd8710

hd5201

hd5202

hd5203

hd5204

hd9301

hd9302

hd9303

hd9304

Color of the above product can be different from actual product color.

Office

Use proper flooring to improve workers productivity

REQUIREMENTS

·**Acoustics** _ Build quiet working environment through absorption of noises

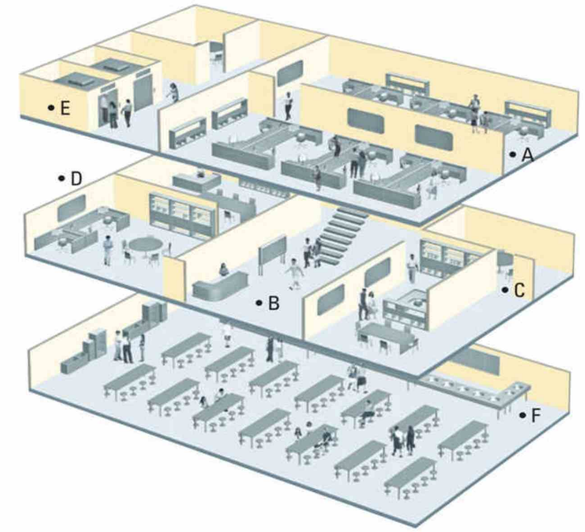
·**Ease of Maintenance** _ A product for easy cleaning from stain and contamination, etc

·**Design Flexibility** _ A product with possession of colors which is feel possible to satisfy each different space and concept

·**Safety and Good Slip Resistance** _ A product with possession of excellent slip prevention and safety

·**Reasonable Price** _ Flooring materials with reasonable price and equippedwith practicality

·**Easy Installation & Removal** _ Convenient construction and easy removabiity



Product Recommendations

Office space is part of our daily life since we spend majority of our time there.

This space is used for creating knowledge.

various optimum materials are considered important in relative to creating a comfortable working environment.

• A | Office zone

• B | Entrance Area

• C | Corridor

• E | Cafeteria

• F | Elevator

• G | IT Area

Office

Use proper flooring to improve workers productivity

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

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hd0508

hd0509

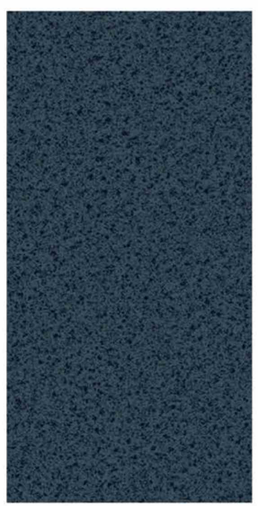
hd0504

hd0604

hd0601

hd0602

hd0603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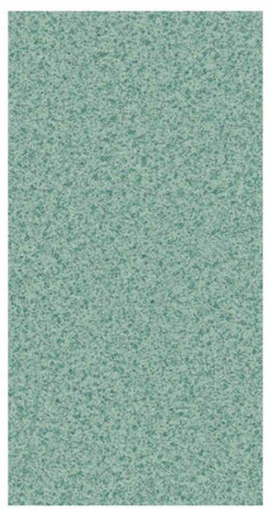
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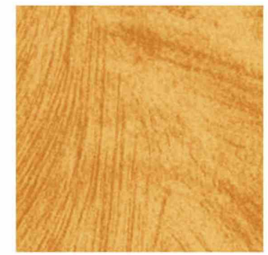
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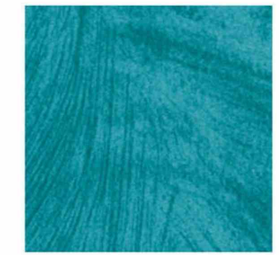
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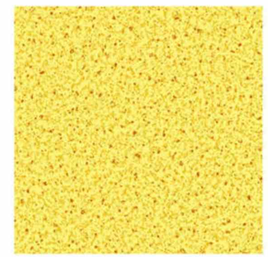
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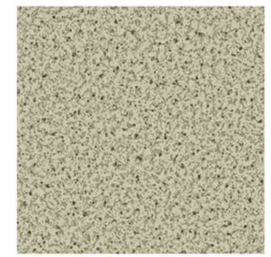
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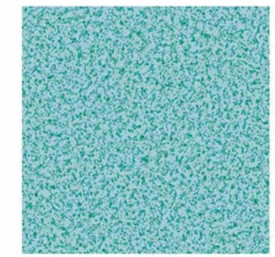
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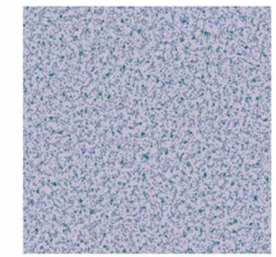
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hd4901

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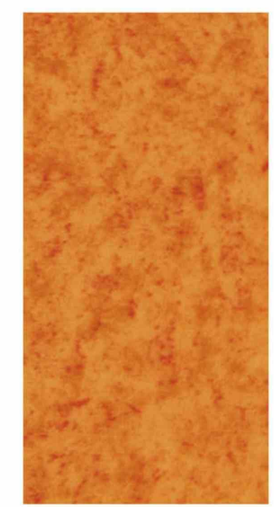
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hd4904

Color of the above product can be different from actual product color.

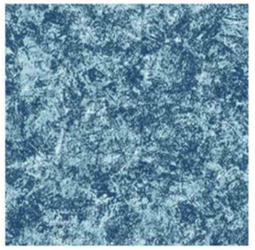
Office

Use proper flooring to improve workers productivity

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd5701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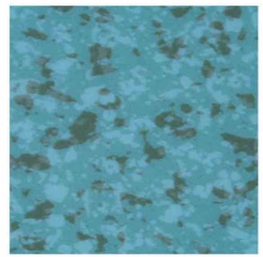
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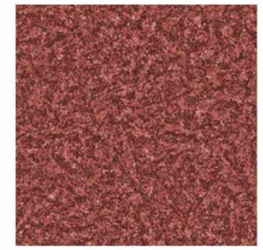
hd6304

hd6901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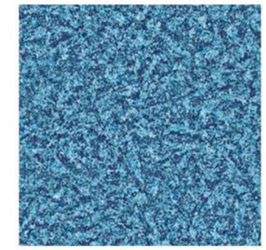
hd6908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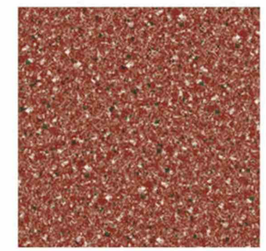
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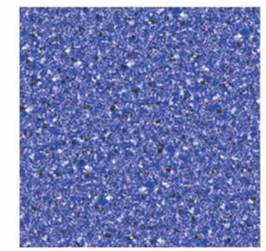
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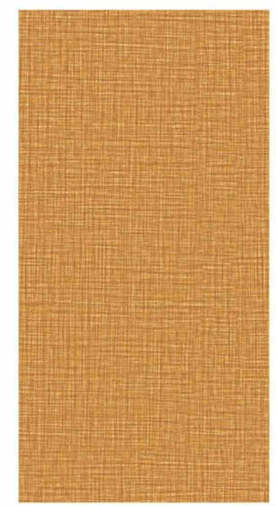
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hd6804

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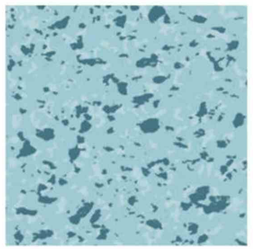
Office

Use proper flooring to improve workers productivity

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31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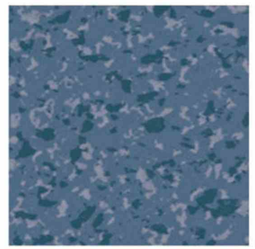
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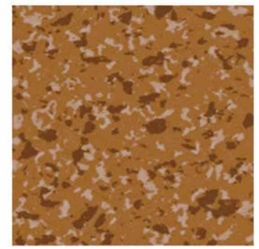
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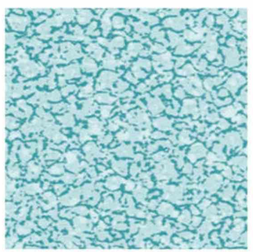
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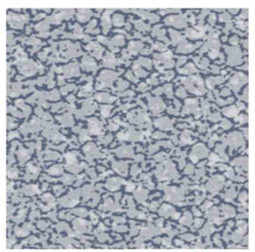
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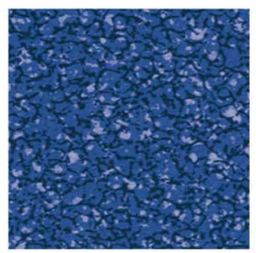
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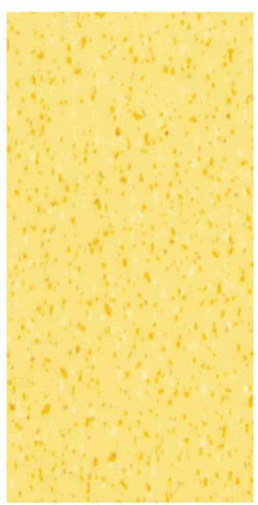
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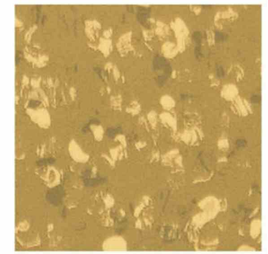
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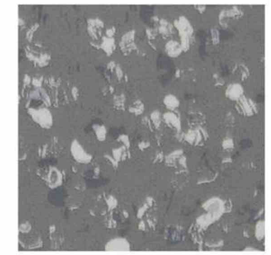
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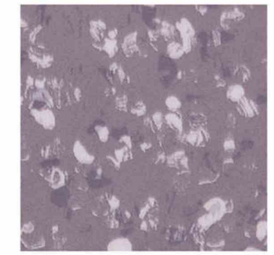
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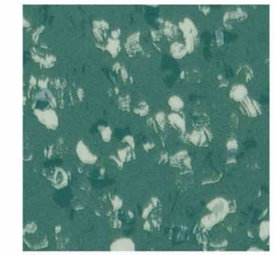
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hd7202

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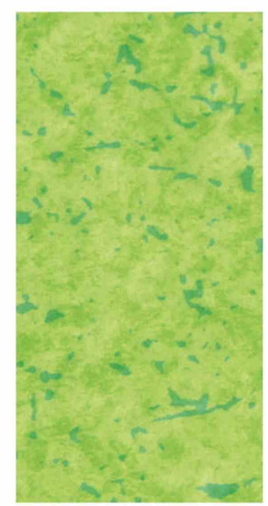
hd7204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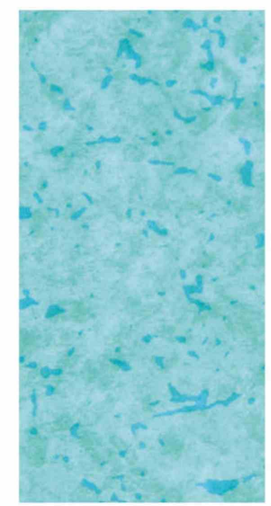
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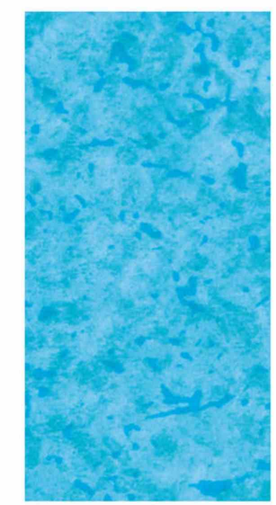
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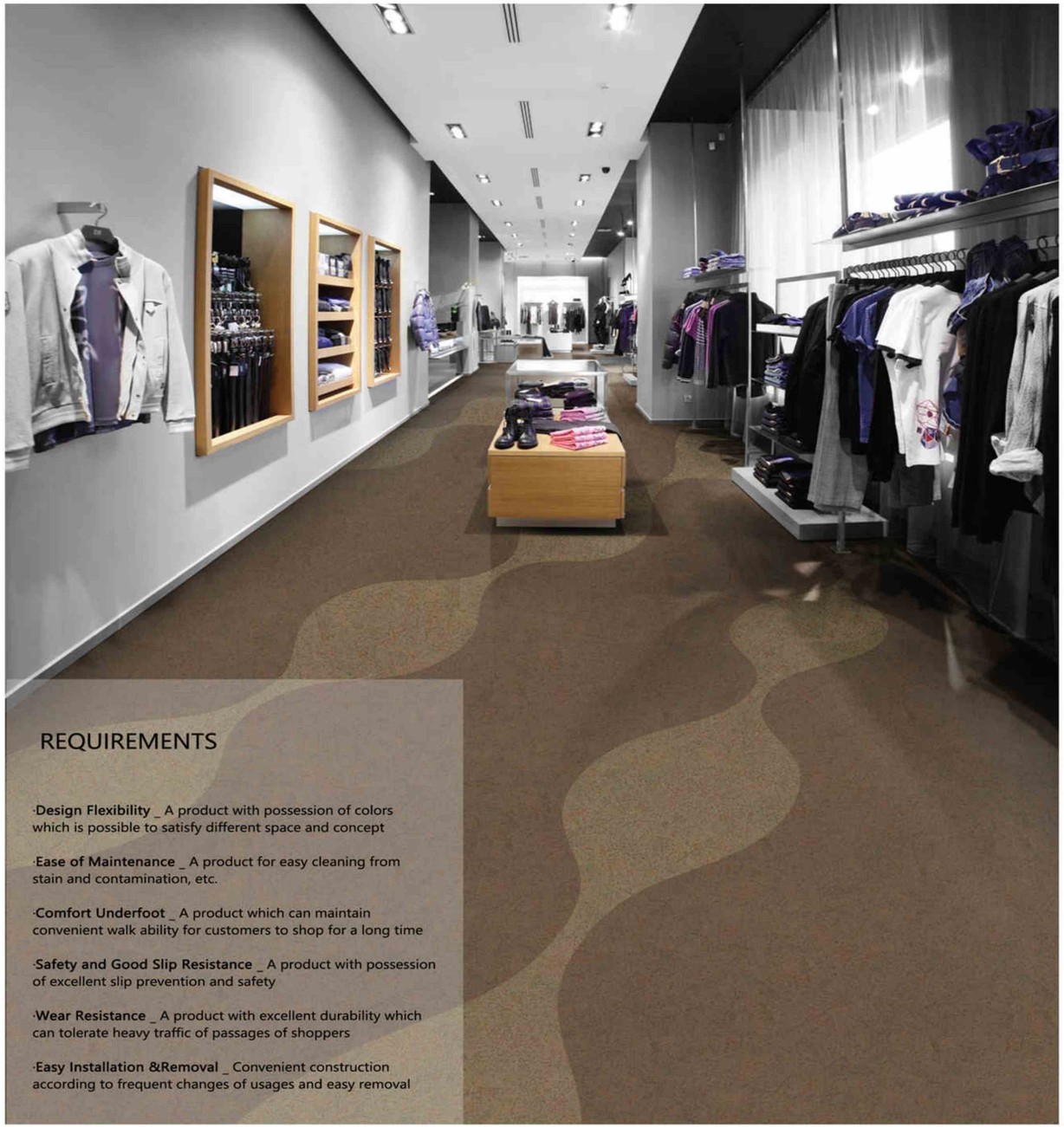
Color of the above product can be different from actual product color.

Retail, Shop

Making a positive impression start with the first step



REQUIREMENTS

·**Design Flexibility** _ A product with possession of colors which is possible to satisfy different space and concept

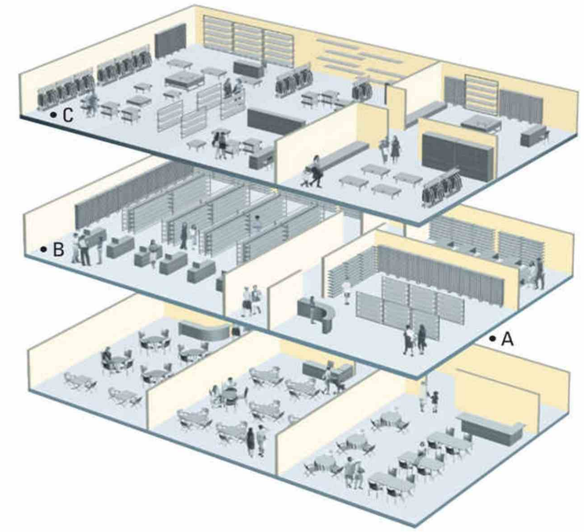
·**Ease of Maintenance** _ A product for easy cleaning from stain and contamination, etc.

·**Comfort Underfoot** _ A product which can maintain convenient walk ability for customers to shop for a long time

·**Safety and Good Slip Resistance** _ A product with possession of excellent slip prevention and safety

·**Wear Resistance** _ A product with excellent durability which can tolerate heavy traffic of passages of shoppers

·**Easy Installation &Removal** _ Convenient construction according to frequent changes of usages and easy removal



Product Recommendations

This space requires use of various materials and also periodic changes to differentiate your Store for customers.

Therefore, the correct selection of floor material is most important.

• A | Retail

• B | Chain Store

• C | Department Store

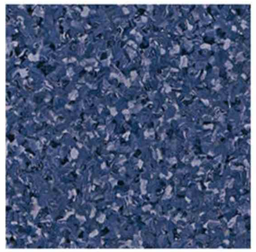
Retail, Shop

Making a positive impression start with the first step

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd1601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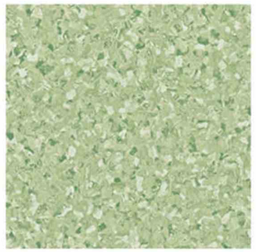
hd1608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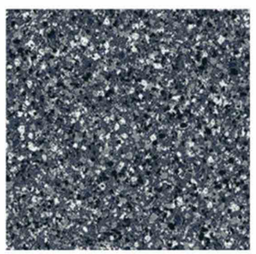
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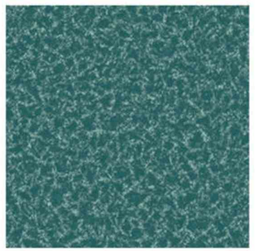
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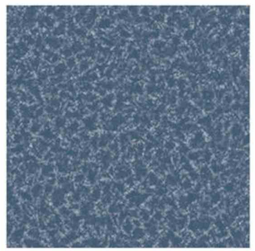
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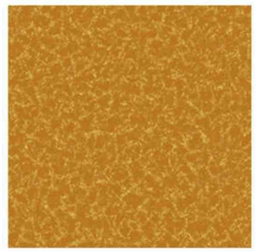
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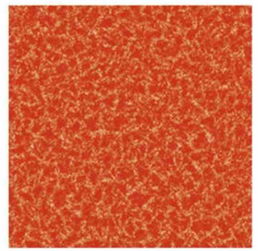
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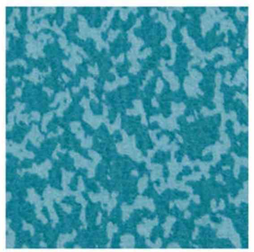
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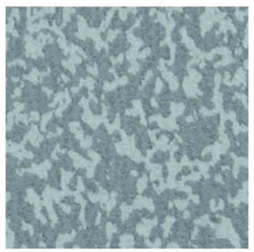

hd4803

hd4804

hd7601

hd7603

hd7604

hd7608

Color of the above product can be different from actual product color.

Retail, Shop

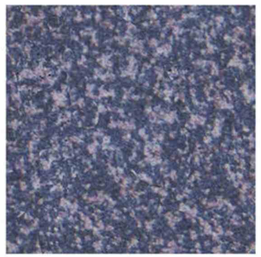
Making a positive impression start with the first step

SIZE:1.6T/1.8T/2.0T/2.6T/3.0T x 2,000MM x 20M /ROLL

T | R9 | EASY CLEAN UV™ | Bfl-S1 | Recyclable | Roll | Compact | 23-31

hd0301

hd0302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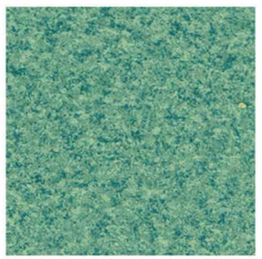
hd0304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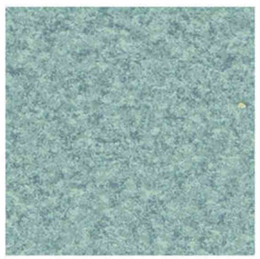
hd2202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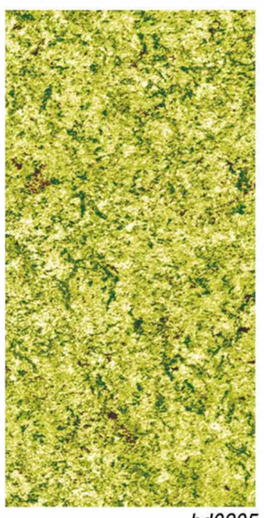
hd2204

hd0202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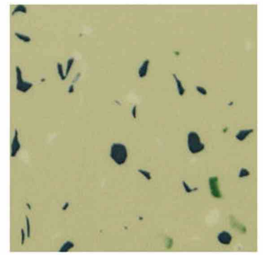
hd0210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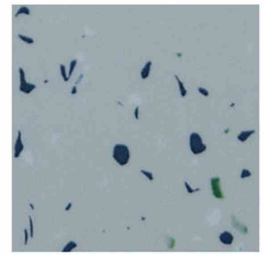
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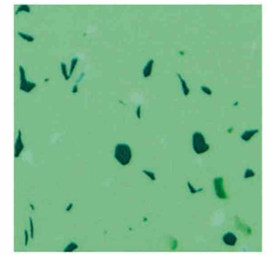
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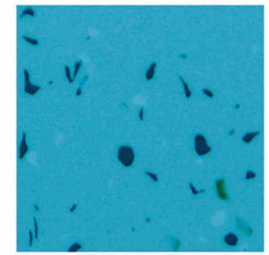
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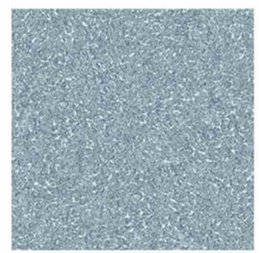
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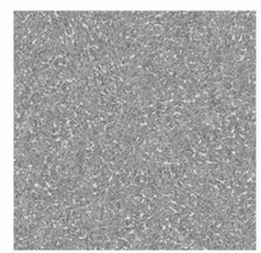
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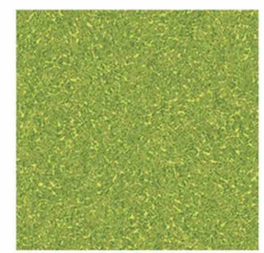

hd8807

hd8801

hd8805

hd8808

hd8810

Color of the above product can be different from actual product color.

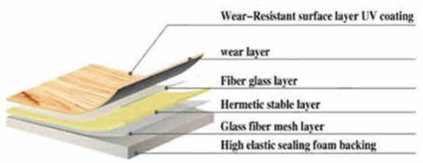
Sports

Gymnasium | Basketball court | Table tennis | Badminton

'Highly Resilient Indoor Sports Flooring'

Designed for sports flooring where shock absorption, elasticity, and other requirements for sports activities are needed.

Construction



Technical Data

Characteristic	Standard	Unit	Requirement	Result
Roll width		mm		1,800
Roll length		m		20
Total thickness		mm		3.5
Weight		kg/m²		2.5
Friction	NF EN 13036-4		80 - 110	Average 84
Shock absorption	EN 14808	%	Min.25	
Vertical deformation	EN 14809	mm	≤ 5.0	
Vertical ball rebound	NF EN 12235	%	≥ 90	≥ 90
Behavior under a rolling load	NF EN 1569		No Damage	
Resistance to wear	EN ISO 5470-1	g	Synthetic Surface : ≤ 1.00	Fulfilled < 0.2
Specular gloss	EN ISO 2813	%	Mat : ≤ 30	
Resistance to static Load	NF EN 1516	mm	≤ 0.5	Fulfilled < 0.2
Resistance to impact	NF EN 1517		No Damage	No Damage
Resistance to repeated impact	TS 15122			

Feature

1 Shock absorption(EN 14808)
Safe for all court sport

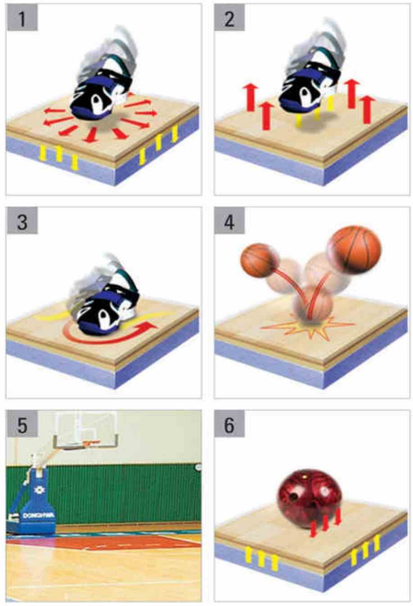
2 Vertical deformation(EN 14809)
- Excellent power return enables athletes to increase their on-court performances
- Superior vertical stability eliminates 'area' indentation preventing instability

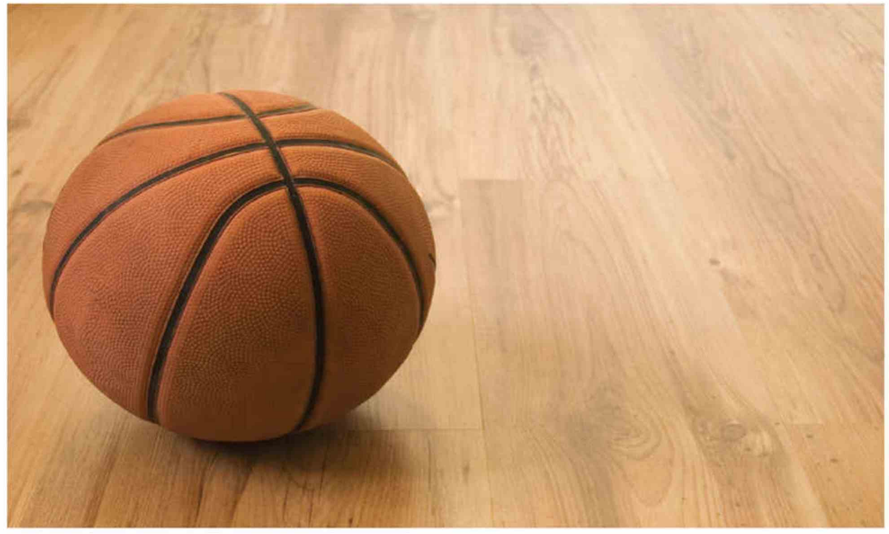
3 Friction(NF EN 13036-4)
Optimal slip resistant property provides a safe playing surface a safe playing surface

4 Superior ball rebound(NF EN 12235)
Ideal for sports with ball bouncing due to strong elasticity

5 Behavior under a rolling load(NF EN 1569)
Superior durability under heavy rolling and static load limits

6 Resistance to static load(NF EN 1516)
Excellent durability for sports activities





Sports

Provide safe playing for all court sport

SIZE:3.5T/4.5T/5.0T/5.5T/6.0T/6.5T/7.0T/7.5T/8.0T/8.5T/9.0T/9.5T/10T x 1,800MM x 20M /ROLL

Recyclable Roll Comfort

hd0101

hd0105

hd0109

hd0110

hd4601

hd4604

hd4607

hd4609

hd1701

hd1702

hd1703

hd1704

hd7003

hd7006

hd7008

hd7009

Color of the above product can be different from actual product color.

Sports

Provide safe playing for all court sport

SIZE:3.5T/4.5T/5.0T/5.5T/6.0T/6.5T/7.0T/7.5T/8.0T/8.5T/9.0T/9.5T/10T x 1,800MM x 20M /ROLL

Recyclable Roll Comfort

hd9401

hd9402

hd9404

hd9405

hd9501

hd9503

hd9504

hd9505

hd9407

hd9408

hd9409

hd9410

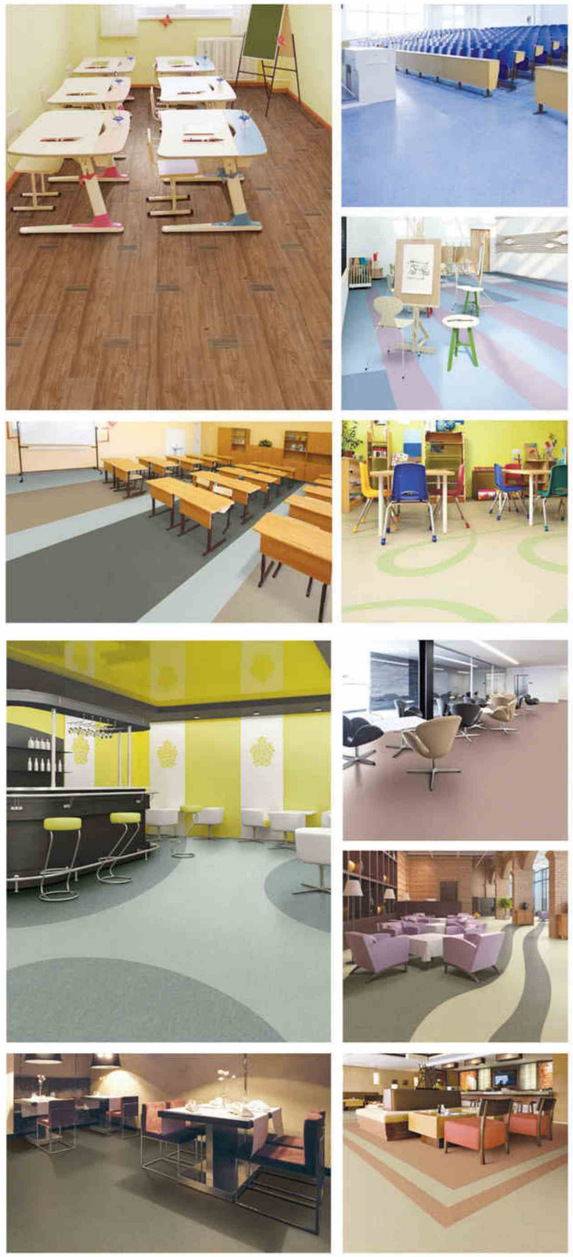
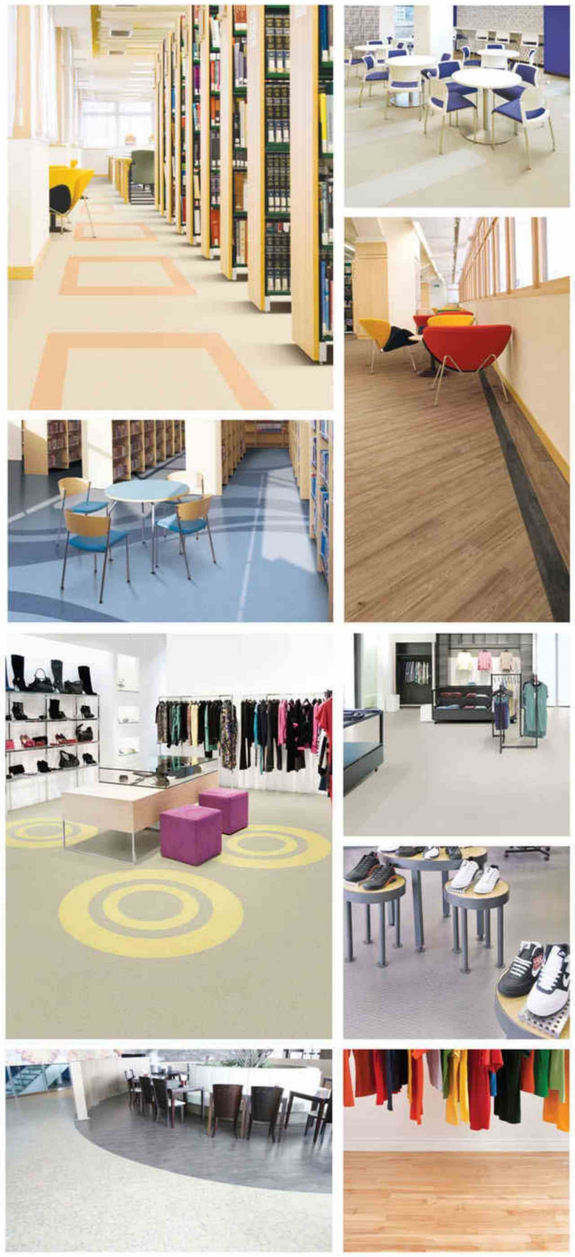
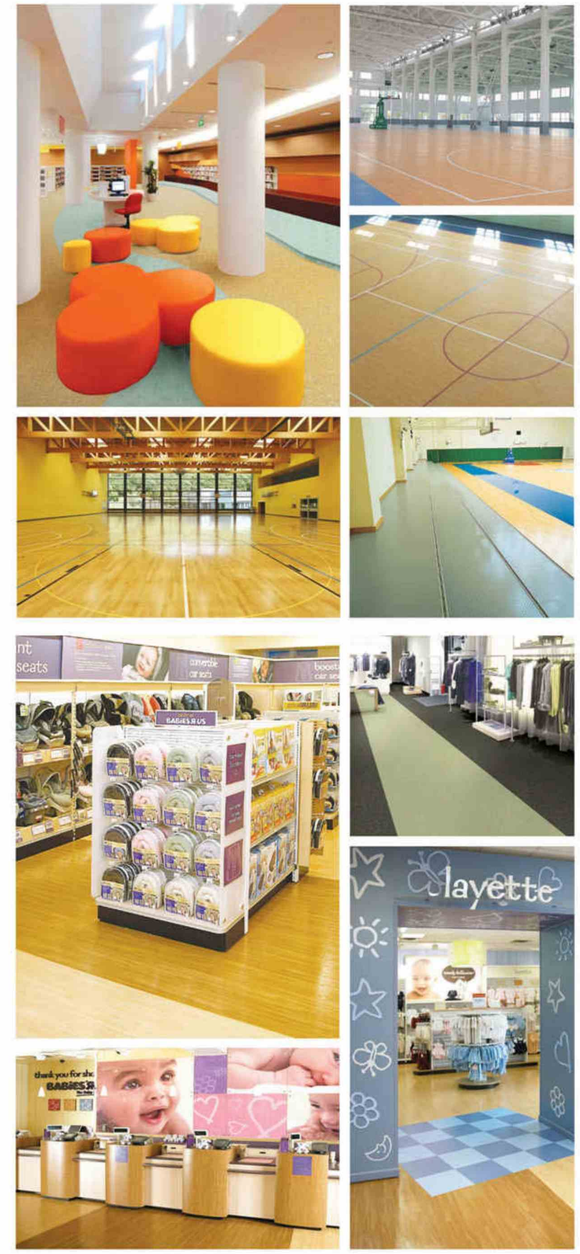
hd9506

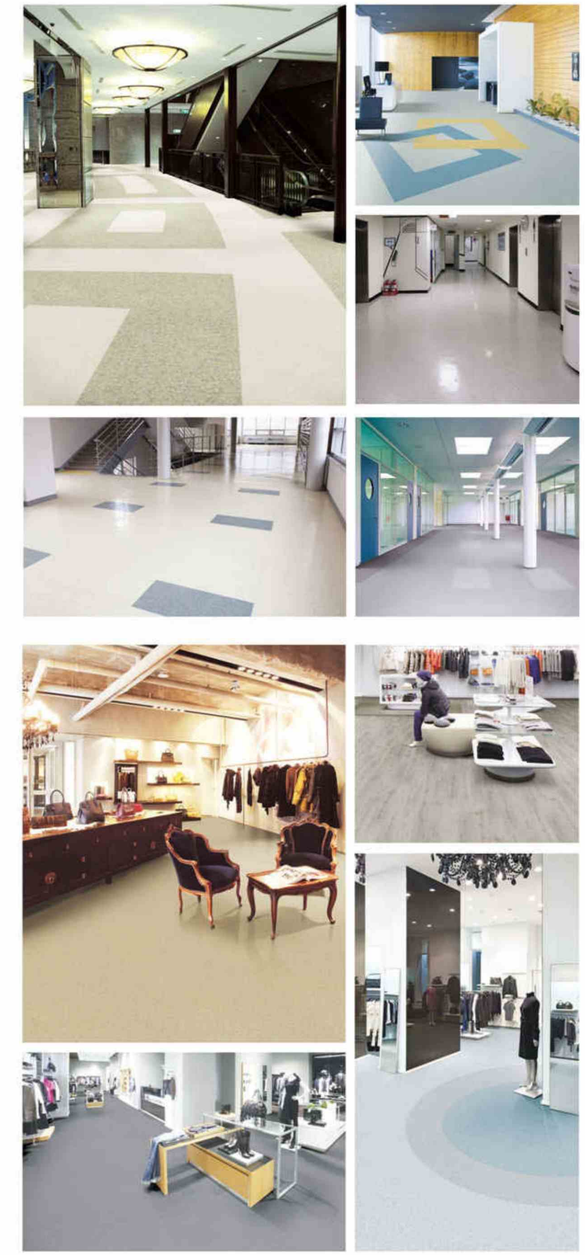
hd9507

hd9508

hd9510

Color of the above product can be different from actual product color.



THANK YOU!