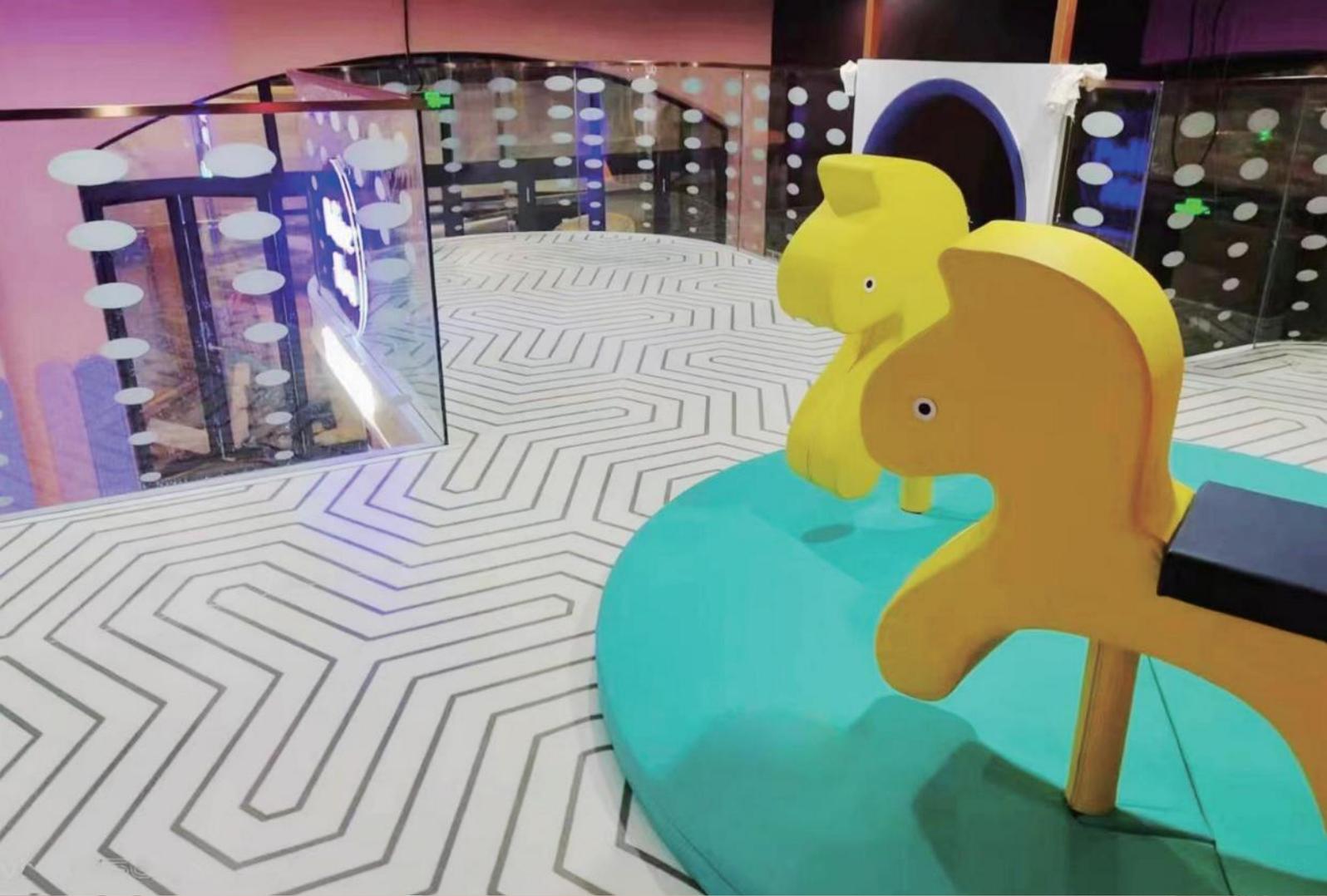


# 3D Customized Floor

www.relleflooring.com













# Product details chart



UV layer

Wear layer

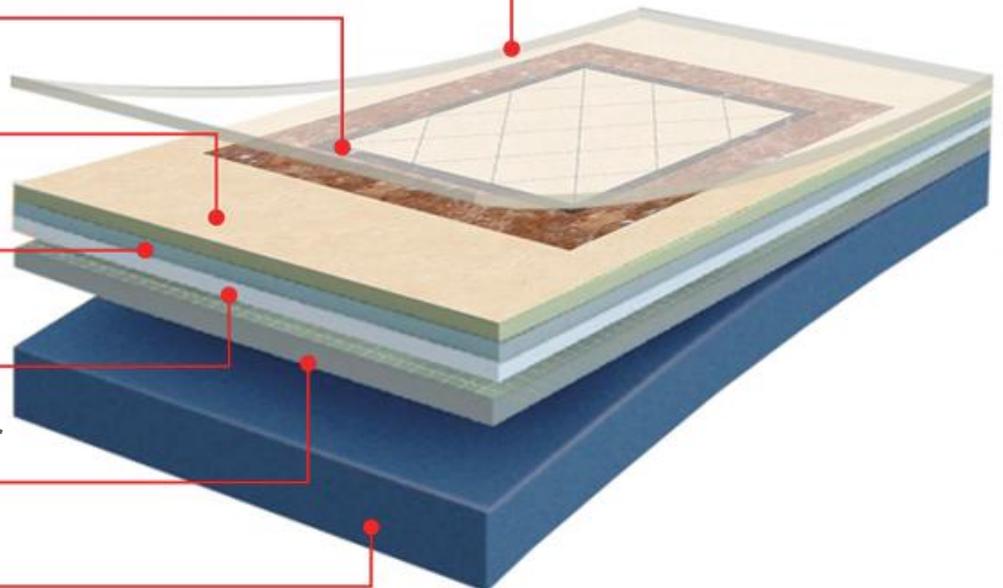
Printing layer

PVC middle layer

Fiber glass layer

PVC reinforced layer

PVC sponge layer



# Technical Data

## Regular pattern

DESCRIPTION	STANDARD	UNIT	RESULT
Total thickness	EN428	mm	0.8 / 2.2 / 3.0 / 4.5
Wear layer thickness	EN429	mm	0.14 / 0.5
Weight	EN430	kg/m <sup>2</sup>	2.2 / 3.2 (s) 3.3 / 4.8 (c)
Width of sheet	EN426	m	1.6 / 2
Length of sheet	EN426	lm	Customized
Structure			Heterogeneous Compact structure
CLASSIFICATION			
European classification	EN649	class	34-43
Fire rating	DIN4102	-	B1
	GB8624-2006	-	GB 8624 Cf1-s1
Toxic testing	GB18586-2001	-	Qualified
Static electrical propensity	EN1815	KV	< 2
Electrical resistance	EN-1815	Ω	109
Slip resistance dry	EN13893	-	≥ 0.3
Slip resistance wet	DIN 51 130	Class	R9
PERFORMANCE			
Abrasion group	EN649	Group	T
Dimensional stability	EN434	%	≤ 0.4
Residual indentation	EN433	mm	0.04
Flexibility	EN435	-	Excellent
Colour fastness	EN20 105-B02	Degree	≥ 6
Chemical products resistance	EN423	-	UV treatment
Surface treatment	-	-	OK(PUR)
Impact sound reduction	EN ISO 717/2	-	16 dB
Indentation	EN433	mm	Approx.0.04
Hygiene treatment	MRSA	-	Very good
Anti-bacterial and fungicidal			OK

## Flexible pattern

DESCRIPTION	STANDARD	UNIT	RESULT
Total thickness	EN428	mm	6.0 / 8.0
Wear layer thickness	EN429	mm	1.2
Weight	EN430	kg/m <sup>2</sup>	4.0 / 5.0 (s)
Width of sheet	EN426	m	1.8 / 2.0
Length of sheet	EN426	lm	Customized
Technical data	Technical requirements	Unit	Testing result
Shock absorption (0 C±2 C )	20-50	%	20.4
Shock absorption ( 23 C±2 C )	20-50	%	20.8
Shock absorption ( 50 C±2 C )	20-50	%	21.6
Vertical deformation	0.6-3.0	mm	1.4
Resistance value	80-110 ( dry ) measurement	BPN,20 °C	84
Tensile strength	≥ 0.5	MPa	3.1
Elongation at break	≥ 40	%	200
Flame retardant performance	I	grade	1
Soluble lead content	≤ 50	mg/kg	0.5
Soluble cadmium content	≤ 10	mg/kg	Not detected
Soluble chromium content	≤ 10	mg/kg	Not detected
Soluble mercury content	≤ 2	mg/kg	Not detected
Formaldehyde release amount	≤ 0.4	mg/(m <sup>2</sup> -h)	0.04
Benzene to release a quantity to	≤ 0.1	mg/(m <sup>2</sup> -h)	Not detected
Toluene xylene and ethylbenzene total release	≤ 1.0	mg/(m <sup>2</sup> -h)	Not detected
Carbon disulfide release	≤ 7.0	mg/(m <sup>2</sup> -h)	Not detected



### Stronge anti-bacteria

Biogyresistance process during the production, and seaming welding avoid any bacteria growing



### Indentation resistance

Homogeneous structure makes the flooring resistant to indentation from heavy materials



### Health care

Without any heavy metals and poisonous substance, passing certification of CE, ISO 9001 and ISO 14001



### Stain resistance

PUR lacquering: Makes flooring resistant to acid & alkali and tincture of iodine



### Easy cleaning

UV coating on the surface for convenient cleaning, reducing the cleaning cost



### Abrasion resistance

Homogeneous structure avoids the delamination matters comparing with other flooring material, becomes the most abrasionresistant material



### Convenient installation

Scientific high frequency welding technoiogy makes the struture against the delamination, installed easihly



### Sound insulation

Natural molecular structure makes excellent sound insulation in some noisy area



### Colorful design

Marble/Leather/Plain design makes plenty of choices for human, natural style improve our sigh-view



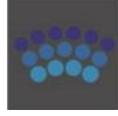
### Mildew resistance

Seaming welding and special chemicals process during production and primer coating above the self-leveling basement, makes it water proof and kill mildew



### Fire proof

DIN 4102 Bf1



### Elastic surface

Flexible structure design makes walk feeling comfortably to avoid any danger for human

# Elevator protection mat

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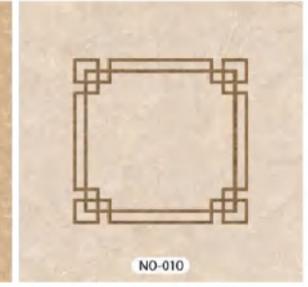


| One stop  
| Solution professor





# Elevator protection mat



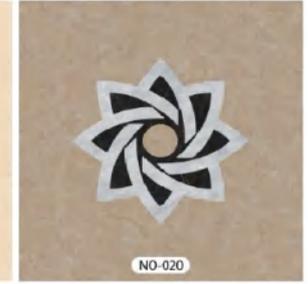
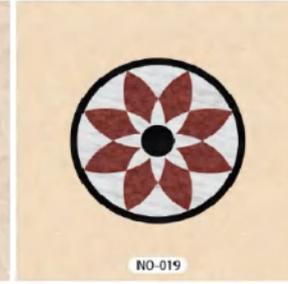
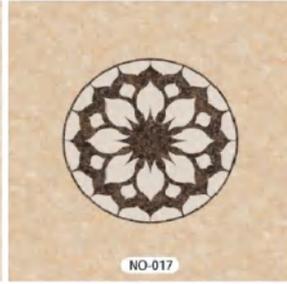
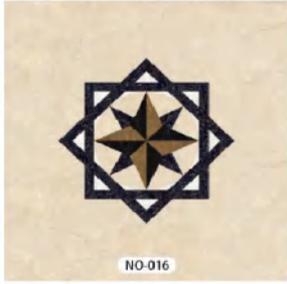
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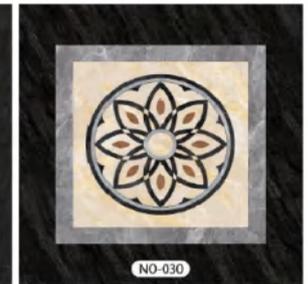
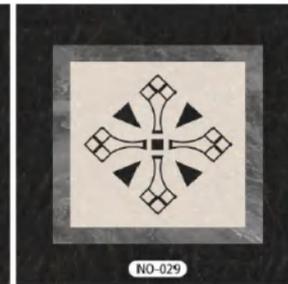
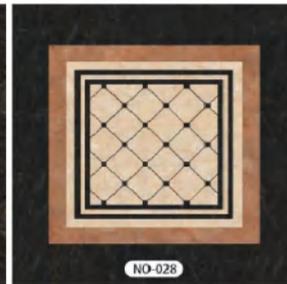
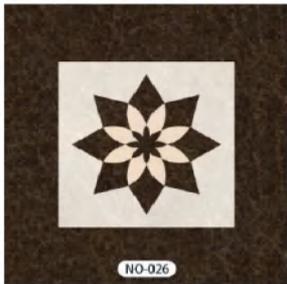
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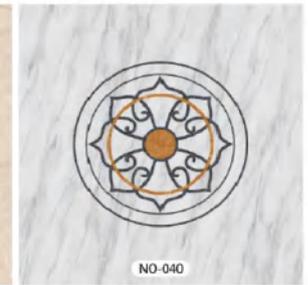
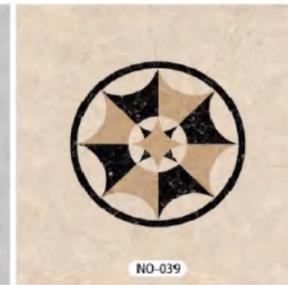
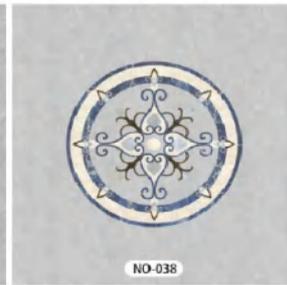
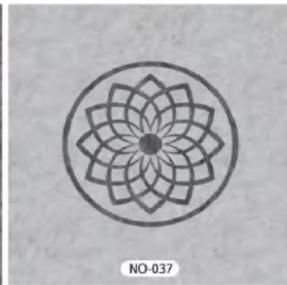
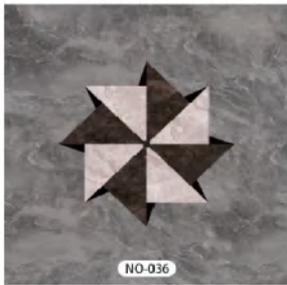
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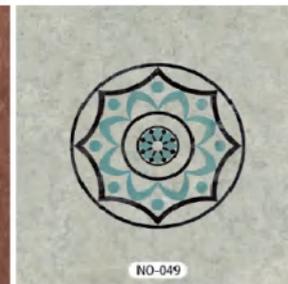
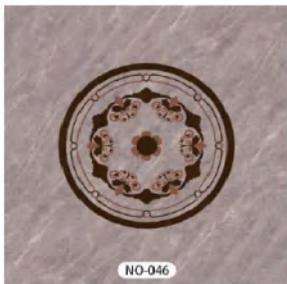
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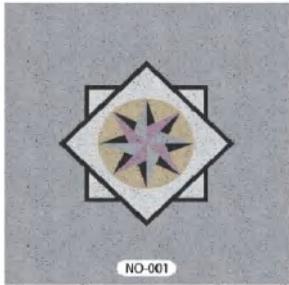
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# Elevator protection mat



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NO-002



NO-003



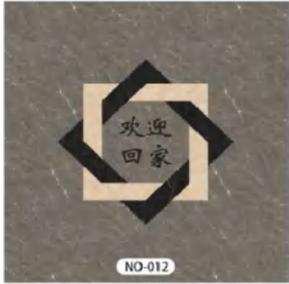
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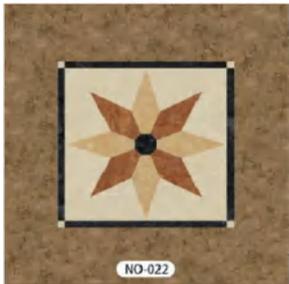
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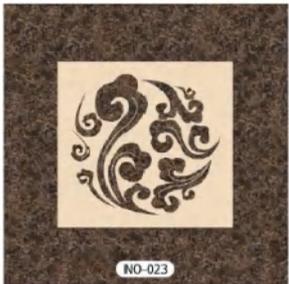
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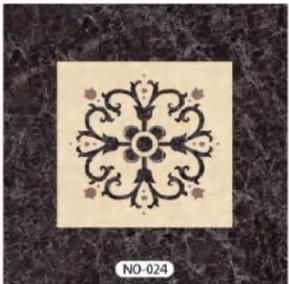
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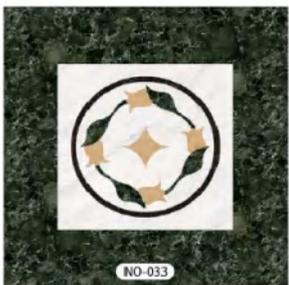
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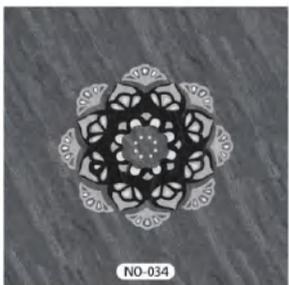
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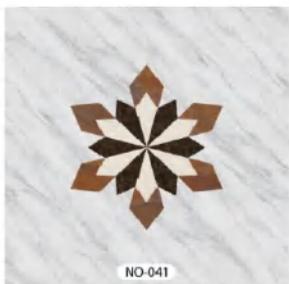
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NO-045

# Product details chart



UV layer

Wear layer

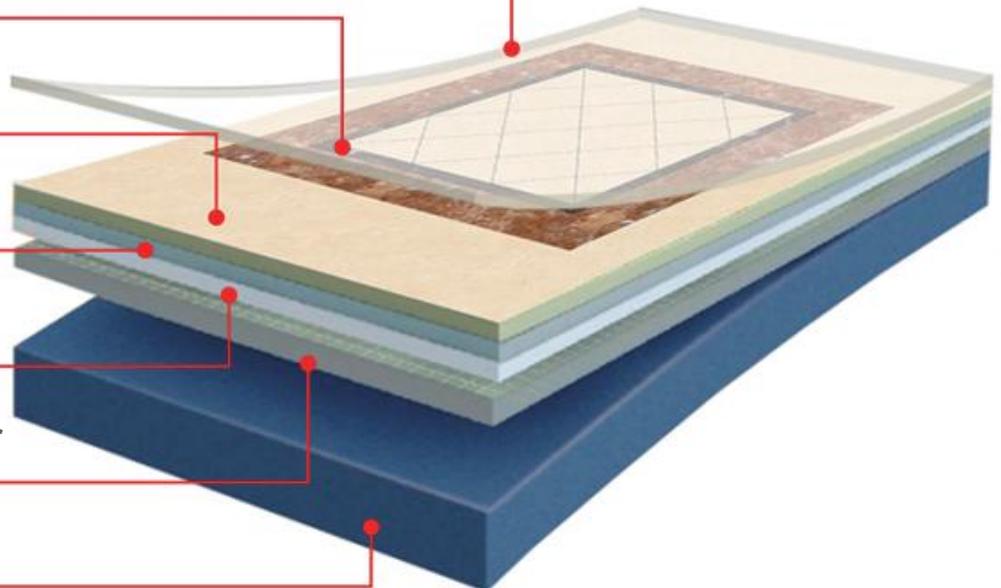
Printing layer

PVC middle layer

Fiber glass layer

PVC reinforced layer

PVC sponge layer



# Technical Data

## Regular pattern

DESCRIPTION	STANDARD	UNIT	RESULT
Total thickness	EN428	mm	0.8
Wear layer thickness	EN429	mm	0.1
Weight	EN430	kg/m <sup>2</sup>	2.2
Width of sheet	EN426	m	1.6
Length of sheet	EN426	lm	Customized
Structure			Heterogeneous Compact structure
CLASSIFICATION			
European classification	EN649	class	34-43
Fire rating	DIN4102	-	B1
	GB8624-2006	-	GB 8624 Cf1-s1
Toxic testing	GB18586-2001	-	Qualified
Static electrical propensity	EN1815	KV	< 2
Electrical resistance	EN-1815	Ω	109
Slip resistance dry	EN13893	-	≥ 0.3
Slip resistance wet	DIN 51 130	Class	R9
PERFORMANCE			
Abrasion group	EN649	Group	T
Dimensional stability	EN434	%	≤ 0.4
Residual indentation	EN433	mm	0.04
Flexibility	EN435	-	Excellent
Colour fastness	EN20 105-B02	Degree	≥ 6
Chemical products resistance	EN423	-	UV treatment
Surface treatment	-	-	OK(PUR)
Impact sound reduction	EN ISO 717/2	-	16 dB
Indentation	EN433	mm	Approx.0.04
Hygiene treatment	MRSA	-	Very good
Anti-bacterial and fungicidal			OK



### Stronge anti-bacteria

Biogyresistance process during the production, and seaming welding avoid any bacteria growing



### Indentation resistance

Homogeneous structure makes the flooring resistant to indentation from heavy materials



### Health care

Without any heavy metals and poisonous substance, passing certification of CE, ISO 9001 and ISO 14001



### Stain resistance

PUR lacquering: Makes flooring resistant to acid & alkali and tincture of iodine



### Easy cleaning

UV coating on the surface for convenient cleaning, reducing the cleaning cost



### Abrasion resistance

Homogeneous structure avoids the delamination matters comparing with other flooring material, becomes the most abrasionresistant material



### Convenient installation

Scientific high frequency welding technoiogy makes the struture against the delamination, installed easihly



### Sound insulation

Natural molecular structure makes excellent sound insulation in some noisy area



### Colorful design

Marble/Leather/Plain design makes plenty of choices for human, natural style improve our sighf-view



### Mildew resistance

Seaming welding and special chemicals process during production and primer coating above the self-leveling basement, makes it water proof and kill mildew



### Fire proof

DIN 4102 Bf1



### Elastic surface

Flexible structure design makes walk feeling comfortably to avoid any danger for human

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3D Flooring  
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# Regular Technical Data

DESCRIPTION	STANDARD	UNIT	RESULT
Total thickness	EN428	mm	1/2.2/3/4.5
Wear layer thickness	EN429	mm	0.12/0.35/0.5/1.2
Weight	EN430	kg/m <sup>2</sup>	4.0
Width of sheet	EN426	cm	300
Length of sheet	EN426	lm	15
Structure			Heterogeneous Compact structure
<b>CLASSIFICATION</b>			
European clasifiation	EN649	class	34-43
Fire rating	DIN4102	-	B1
	GB8624-2006	-	GB 8624 C <sub>fl</sub> -s1
Toxic testing	GB18586-2001	-	Qualified
Static electrical propensity	EN1815	KV	< 2
Electrical resistance	EN- 1815	Ω	10 <sup>9</sup>
Slip resistance dry	EN13893	-	≥0.3
Slip resistance wet	DIN 51 130	Class	R9
<b>PERFORMANCE</b>			
Abrasion group	EN649	Group	T
Dimensional stability	EN434	%	≤0.4
Residual indentation	EN433	mm	0.04
Flexibility	EN435	-	Excellent
Colour fastness	EN20 105-B02	Degree	≥6
Chemical products resistance	EN423	-	UV treatment
Surface treatment	-	-	OK(PUR)
Impact sound reduction	EN ISO 717/2	-	16 dB
Indentation	EN433	mm	Approx.0.04
Hygiene treatment	MRSA	-	Very good
Anti-bacterial and fungicidal			OK

# Thicker Technical Data

DESCRIPTION	STANDARD	UNIT	RESULT
Total thickness	EN428	mm	6/8
Wear layer thickness	EN429	mm	1.2/1.5
Width of sheet	EN426	cm	300
Length of sheet	EN426	1m	15
<b>Technical data</b>	<b>Technical requirements</b>	<b>Unit</b>	<b>Testing result</b>
Shock absorption(0°C± 2°C)	20~50	%	20.4
Shock absorption (23°C± 2°C)	20~50	%	20.8
Shock absorption (50°C± 2°C)	20~50	%	21.6
Vertical deformation	0.6~3.0	mm	1.4
Resistance value	80~ 110 (dry) measurement	BPN,20°C	84
Tensile strength	≥0.5	MPa	3.1
Elongation at break	≥40	%	200
Flame retardant performance	I	grade	1
Soluble lead content	≤50	mg/kg	0.5
Soluble cadmium content	≤10	mg/kg	Not detected
Soluble chromium content	≤10	mg/kg	Not detected
Soluble mercury content	≤2	mg/kg	Not detected
Formaldehyde release amount	≤0.4	mg/(m <sup>2</sup> -h)	0.04
Benzene to release a quantity to	≤0.1	mg/(m <sup>2</sup> -h)	Not detected
Toluene xylene and ethylbenzene total release	≤1.0	mg/(m <sup>2</sup> -h)	Not detected
Carbon disulfide release	≤7.0	mg/(m <sup>2</sup> · h)	Not detected

