2013_2014 NEW COLLECTION OF LS FLOORING SYSTEMS



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PURGOTEX



01

LS FLOCKED CARPET

PURGOTEX Product Descriptions

The dense surface allows easy removal of contaminants, dusts and stains with a powered brush vacuum machine or solution of mild detergent.

Product Features



Acquired Environment-friendly Certification for construction materials



Easy to clean due to high density vertical pile structure



Excellent abrasion resistance



Stain resistance, Antibiosis



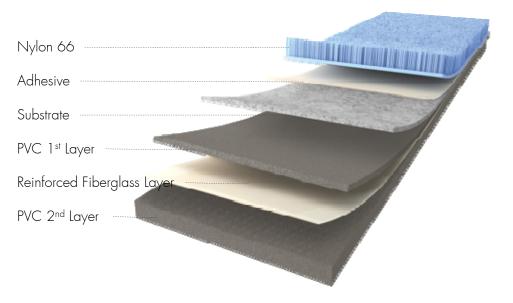
Various patterns and colors expression available with digital Printing method(Customizable)



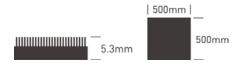
Excellent footfall sound absorption

PURGOTEX Specification

Structure Map_Tile products



Product size



Installation

Checkerboard



Flock Density

80,000,000 Fibers/m²



Weight

 $6.0 \, \text{kg/m}^2$

Certification mark









Space Type



Business Room



Health care



Accommodations

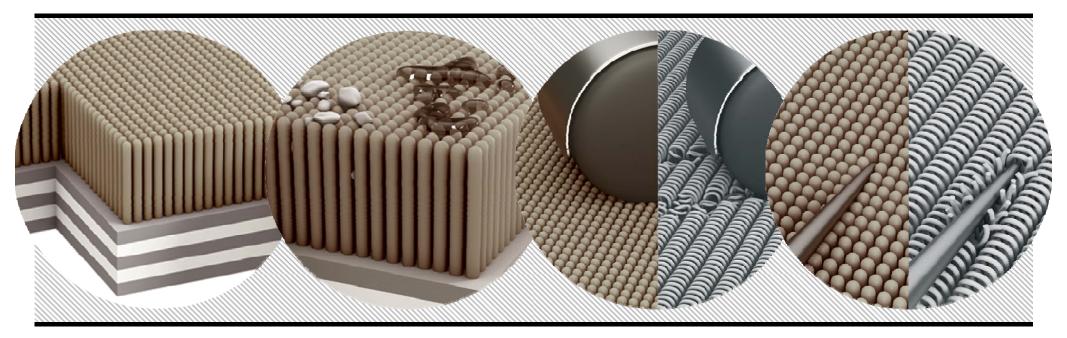


Educational **Facilities**



Sales **Facilities**

PURGOTEX Product Descriptions



The Flocking System

It is featured for its 80,000,000 fiber/m2 dense file surface which is 10 times denser than the traditional carpet. Flocked carpet outstands in its excellent durability and resilience and its dense structure prevents pollutants from permeating into carpet and helps maintaining the perfect environmental cleanliness.

Harmlessness

Flocked carpet's water-proof feature. not only blocks bacteria breeding and pollution caused by humid, but also prevents smell, dust and foreign substances. Due to all these advantages, flocked carpet is usually applied in the environment which requires high level of cleanliness such as hospitals, kindergartens and nursing homes.

Restoration Ability

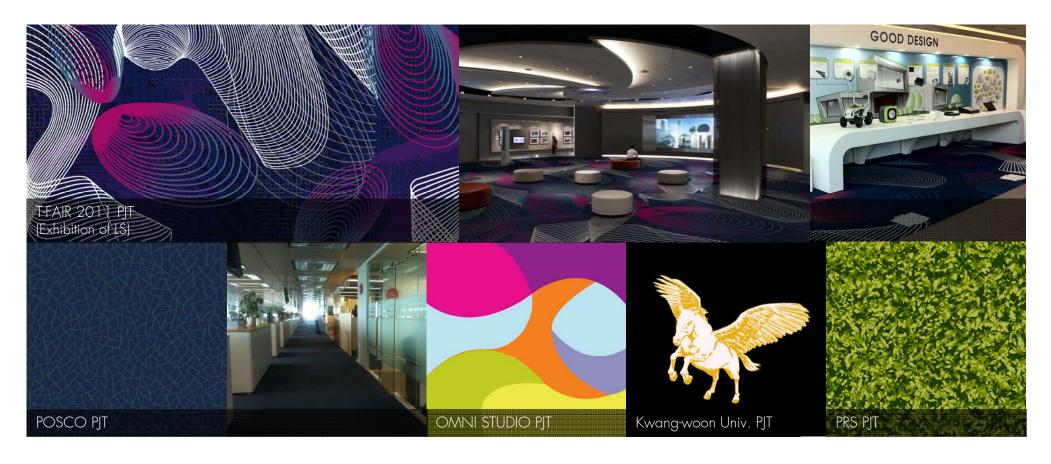
Flocked carpet's 80,000,000 Fibers/m2 high density surface provides 99% indentation-resilience, making almost no indentation marks by heavy load furniture pressures.

Outstanding Durability

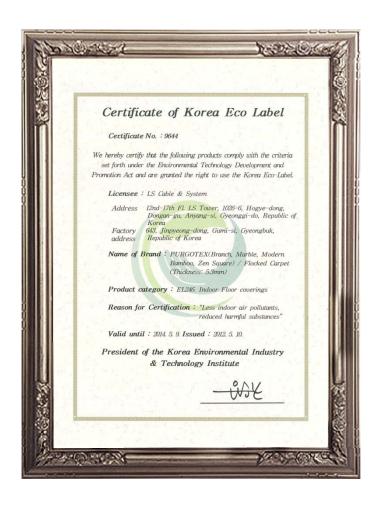
Distinguished from tufting carpet, flocked carpet even if stabbed by sharp objects, there is nearly no damage to the carpet surface.

PURGOTEX **Product Descriptions**

Multi-patterns and multicolors beyond the limits of normal carpet design with digital printing method (Customizable)



PURGOTEX Features_Environment-friendly



Green Certificate!

Acquired environment-friendly certification for indoor air quality process

TVOCs and Formaldehyde Emission Test Results

Test	Unit	Results	Standard (7days after)
TVOCs	mg/ m ².hr	0.146	< 0.4mg/m2h
Toluene	mg/ m ².hr	0.009	< 0.08mg/m2h
Formaldehyde	mg/ m² .hr	0.001	< 0.120mg/m2h

[* Notified Body: Korea Environmental Industry & Technology Institute]

PURGOTEX Features_Environment-friendly



Green label plus Certificate!

Acquired environment-friendly certificate of U.S.A Indoor Air Quality Process for carpet

TVOCs Emission Test Results

TVOCs and Analytes	Standard	Measured Value
TVOCs	500 μg/m² hr	150 µg∕m ²hr

[* Laboratory: Air Quality Sciences/ Notified Body: CRI (Carpet Rug Institute]

PURGOTEX Features_Environment-friendly



CE Certificate!

Comply with European Standard EN14041 for consumer's safety, health, and environmental protection Fire-Safety and slip-resistance performance retention

Test Results

	Direction of		Test Results				
Characteristic	the production	on Obtained data value		Arithmetic mean			
Dynamic coefficient of	longitudinally	0.51	0.53	0.51	0.50	0.51	0.51
friction	transversally	0.46	0.49	0.47	0.49	0.49	0.48

[* Notified Body : TZUS Praha]

PURGOTEX Features_Environment-friendly



VOCs Emission Test!

Acquired the highest A+ standard of Europe ISO 16000-3 for Eco-friendliness

Test Results

	Measured conc after 3 days	Measured conc after 28 days	Limit conc for A+ Classification(µg/m³)
Formaldehyde	2	0	< 10
TVOC	555.7	24.6	< 1000

[* Notified Body : C.R.E.T]

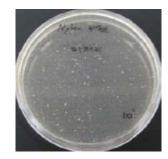
PURGOTEX Features Antibiosis



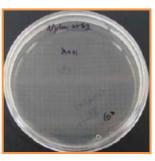
Certificate of Sanitary Finish Assurance!

Exterminating 99% of Colon bacillus, staphylococcus, Klebsiella pneumoniae after cultivating with antibiosis. (Applying with AATCC 174)

Staphylococcus aureus

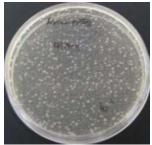


[Others] Antibiotic untreated (No Antibiotic treated 99% extermination)

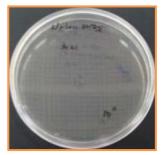


[PURGOTEX] exterminated

Bacillus



[Others] Antibiotic untreated (No Antibiotic treated 99% extermination)



[PURGOTEX] exterminated

[* Notified Body : FITI]

PURGOTEX Features_Antibiosis

Harm of House Mites!



How to Exterminate 'House Mite' ? - The Main Culprit of Allergic Diseases

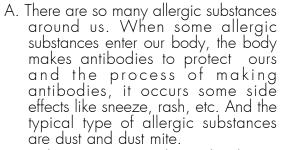
SBS TV News | Report Inputting 2011-05-03 21:29

It is reported that one of every two middle high school students suffers from allergic diseases. The research conducted by Korea Centers for Disease Control and Prevention shows that among the diseases, allergic rhinitis accounts for more than 40% is, atopic dermatitis respectively accounts for 20% and 12%.

The main reason of allergic diseases precisely is 'House Mite'. 32% of First-year students in Primary school, 42% in junior middle school are suffering from house mite allergy. Finally it is important to exterminate the main culprit, house mite... ~~ Omitting...

v Source: http://news.sbs.co.kr/section_news/news_read.jsp?news_id=N1000907590

Q. My Son is suffering from allergic nasal inflammation for a long time. How should I take care of my son?



such as Jang Gwang-Chun and Pediatrician

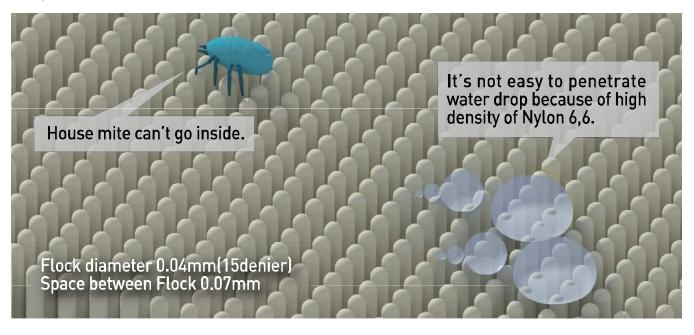
Dandruff and Dead skin cell is one of the best food for dust mite. They usually live in blankets, pillows a s well as traditional carpets and cause many kinds of allergic to peoples.

PURGOTEX Features_Antibiosis

Inhabitation Suppression of Dust mites!

PURGOTEX (Flocked Carpet)

Not Supplying adaptive environment for Mite habitation (temperature, humid)



Common Textile Carpets

Mites in Carpets



^{**} Flocked Carpet with 80,000,000/m² adhesive flocks

PURGOTEX Features_Comply with International standards







△ ISO 14001 Environmental Management System

△ ISO 9001 Acquired Quality Management

△ OHSAS 18001 Health and Safety Management System

PURGOTEX Features_Wear resistance



Castor Chair!

Acquired top-class(class 33) in heavy a traffic commercial use for EN1307 standard

ASSESSMENT OF THE WEAR BEHAVIOUR

- Median appearance retention after 5000 cycles: 4
- Median appearance retention after 25000 cycles: 3.5

Index r=3.9

X Note.

EN 1307 standard "Classification of pile carpets" for suitability for Intensive use (A)

[* Notified Body : C.R.E.T]

PURGOTEX Features_Durability



Light Fastness!

Acquired level 6 in NF EN ISO 105-B02

*Light Fastness: The degree of color change under the influence of light

Test Results

	Colour fastness to light index 1 to 8
Ref Societe: PURGOTEX tile Ref.Lab: A2240	> 6

[* Notified Body : Laboratoire Textile Du Cambresis]

PURGOTEX Features_ Flame resistance



Flame resistance !

'Bfls 1' Grade (More than 8 kw/m²) by EN13501-1

* Satisfied with Korean Fire Prevention Law (less than 400ds) Acquired flame retention certificate

Flammability & Smoke density Test Results

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	9.2	9.2	8.3	8.9
Smoke Development Rate (%, min)	197	193	217	202

^{*} Mean critical radiant flux 8.9kW/m²

[* Laboratory : APL Australia Pty Ltd]

PURGOTEX Features_ Water & Oil repellent

Test for waterproof!



[A Company]
Absorbed immediately



[B Company]
Absorbed after 1 minutes



[* After 1 min]

[LS PURGOTEX]
Not absorbed after 1 minutes

- Outstanding water-proof function compare to other brands (refer to test results).
- Maintains a good level of cleanliness by reducing pollution and bacteria caused by humid.

PURGOTEX Features_ Report material

PURGOTEX get recognition of eco-friendly!

Flocked Carpet of LS C&S get eco-friendly product certification

Ø연합뉴스 I Report Inputting 2012-05-31 09:07



▲ PURGOTEX (Offer of picture: LS Cable & System)

LS C&S reported the Flocked carpet tile 'PURGOTEX' get approval of Green Certificate from KEITI and Certificate of Sanitary Finish Assurance from FITI. PURGOTEX is featured for 10 times denser than the general carpets due to its dense fiber surface which makes the fiber vertically standing on substrate by static electricity and LS was first developed it in 2009. Also, PURGOTEX has excellent sanitation caused by its dense fiber structure and therefore it blocks pollutant, mites and bacteria breeding. Certificate of Sanitary Finish Assurance(SF Mark) from FITI verify the body safety, nontoxic and hygiene of product. And KEITI grant a green certificate to product which generate less pollution in the process of production and consumption. In case of the flooring is examined for carcinogen emission such as lead, cadmium, mercurial, toluene, formaldehyde etc.

LS C&S chose flooring as a highlight business and have been attacking in market from 2011. Also, They have a marketing plan to increase global market share through product presentation in foreign stronghold etc.

(Seoul=AP) Tae-jong, Kim reporter)

01

LS FLOCKED CARPET

PURGOTEX Technical data

No.	ltem	Standard	Requirement	LS PURGOTEX Test Results
1	Commercial heavy	EN 685	Class 33	
2	Dimensional stability	EN 986	< 0.2%	_
3	Staightness/ Squareness of Edge	EN 994	< 0.15%	_
4	Curling/ Doming	EN 986	≤ 2mm	_
5	Abrasion resistance (Lisson test)	EN 1963	Mv < 35g/m² (ltr≥3)	
6	Castor chair/ Continuous use (A test)	EN 985	r > 2.4	_
7	Vetterman (short/ long)	ISO 10361-test A	short ≥ 4 long ≥ 3.5	_
8	Light Fastness	EN ISO 105 B02	6	
9	Electrical resistance	ISO 10965	>10° Ω	 Satisfied
10	Reaction to fire	EN 13501-1 (EN ISO 9239-1)	Bfls1 (> 8.0kW/m²)	
11	Smoke density	ASTM E 662	< 400ds	_
12	Body voltage	ISO 6356	< 2kV	
13	Thermal resistance	ISO 8302	< 0.17 m ²KW	
14	Walk sonority	NF S31-074	< 65dB	_
15	Acoustic	ISO 140-8 EN ISO 717-2	16dB	_
16	Static Loading Test	BS 4939	97% Recover after 24hr	

PURGOTEX Products Index 2013

M Bamboo 501

Jungle

Jungle is designed with sharp and precise geometric shapes that embrace gentle diagonal lines, forming a rich image.

Modern Bamboo



M Bamboo 502

Modern Bamboo is created with a rhythmic arrangement of linear motifs evoking a sense of composure and sophistication fit for an urban lifestyle.

PURGOTEX Products Index 2013

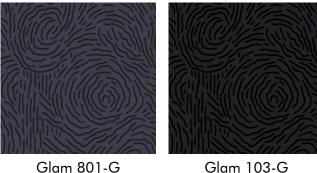
Glam

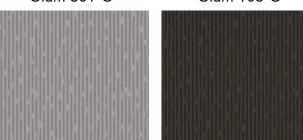


Glam is designed with irregularly arranged elegant curves forming provocative and captivating shapes.

Panda

Panda is a contemporary design with maximized simplicity to pursue a new expression of the most





Panda 401-G

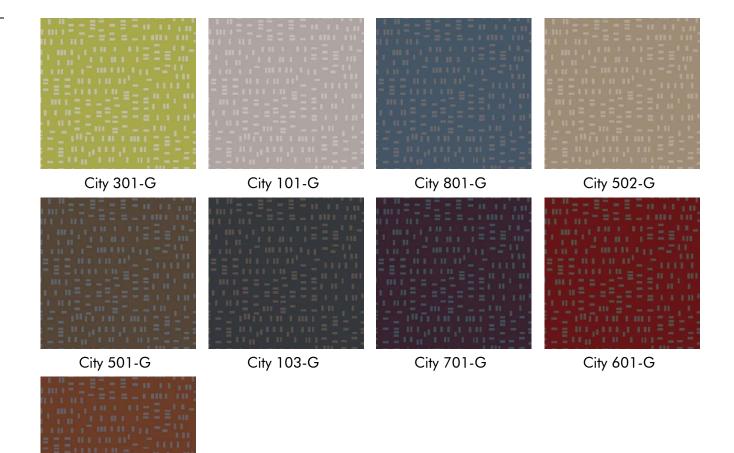




PURGOTEX Products Index 2013

City 602-G

City



City is designed with light rectangular motifs arranged in irregular forms. The bold red and purple hues together with yellowish green add to the relaxed casualness of this design, creating a more powerfully emotional energy.

PURGOTEX Products Index 2013

Rainbow



Rainbow 101-G



Rainbow 106-G



Rainbow 102-G



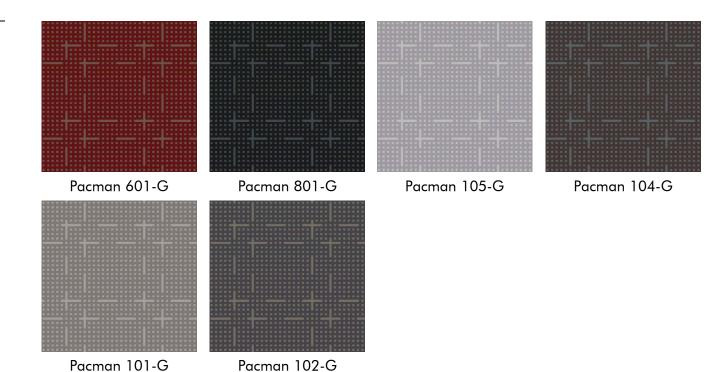
Rainbow 105-G



Rainbow 104-G

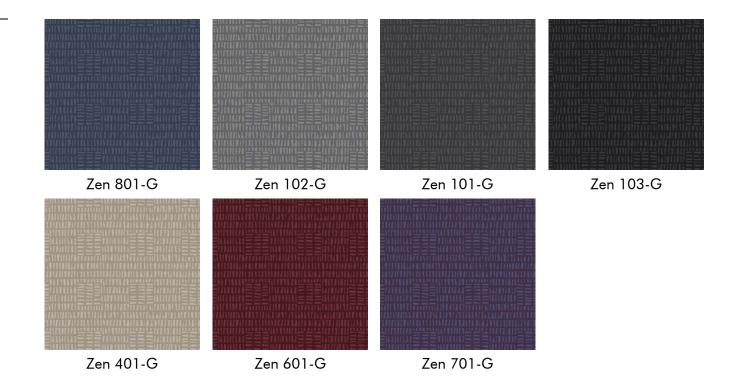
PURGOTEX Products Index 2013

Pacman



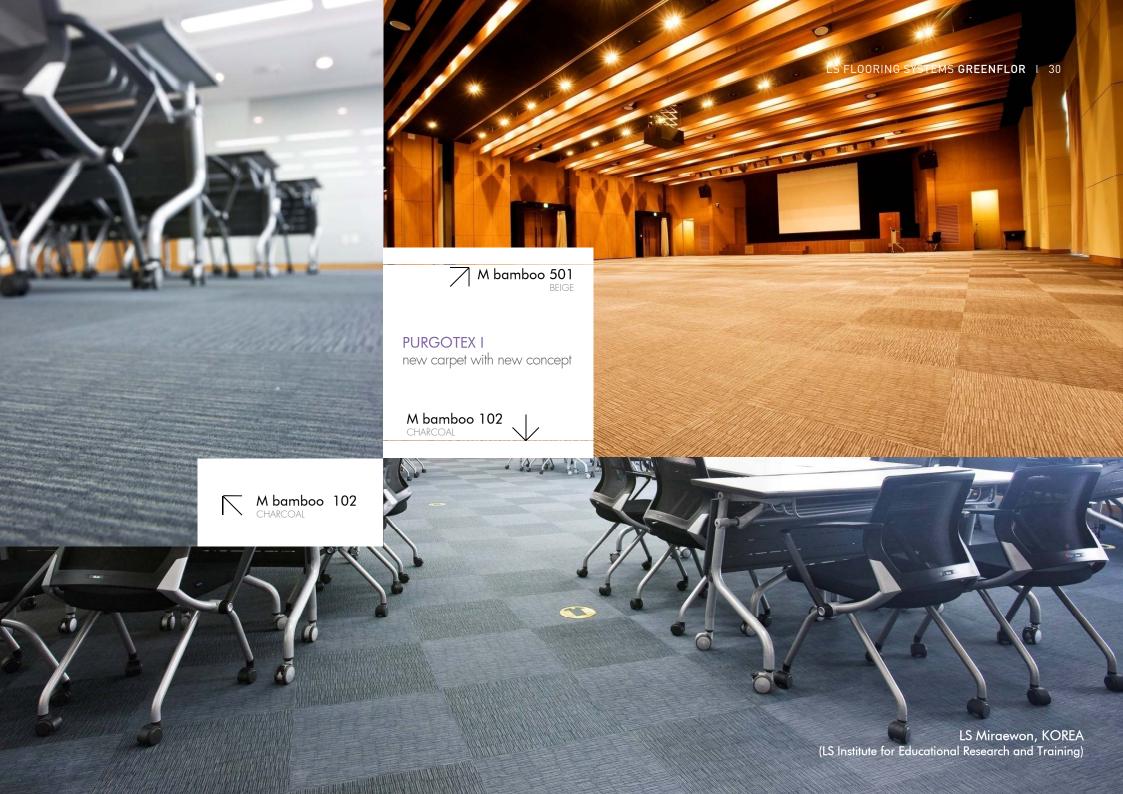
PURGOTEX Products Index 2013

Zen

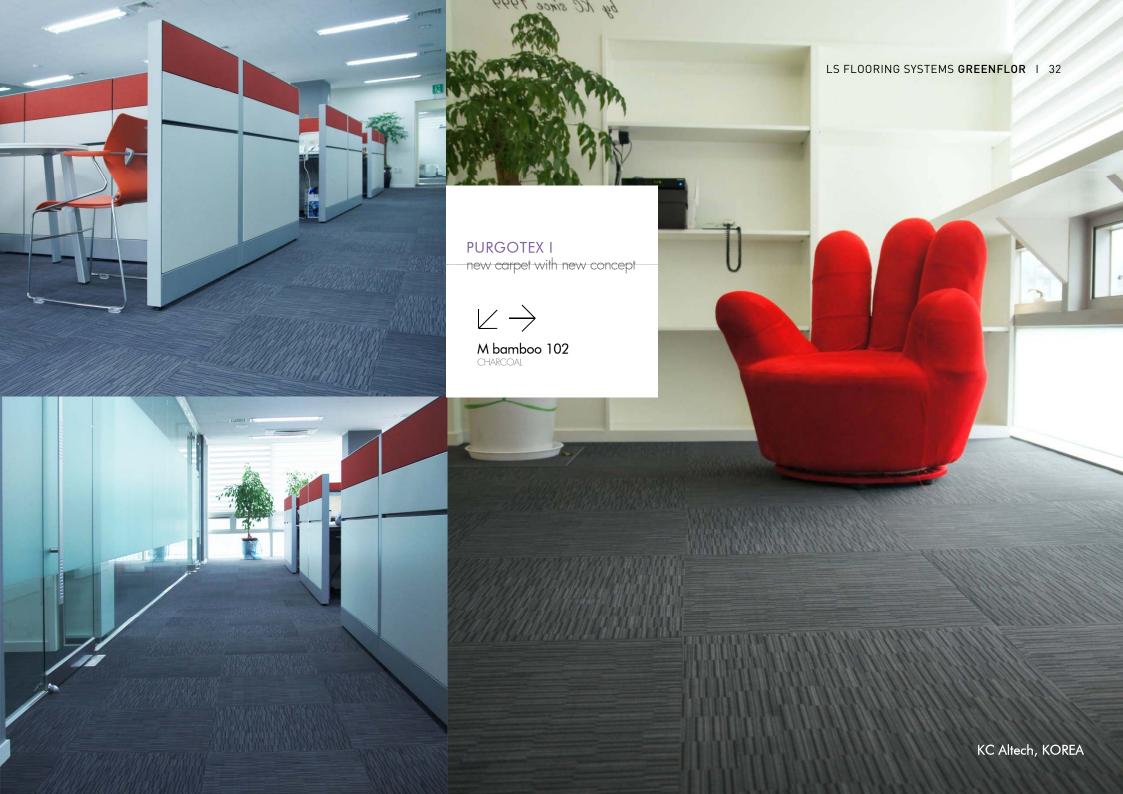


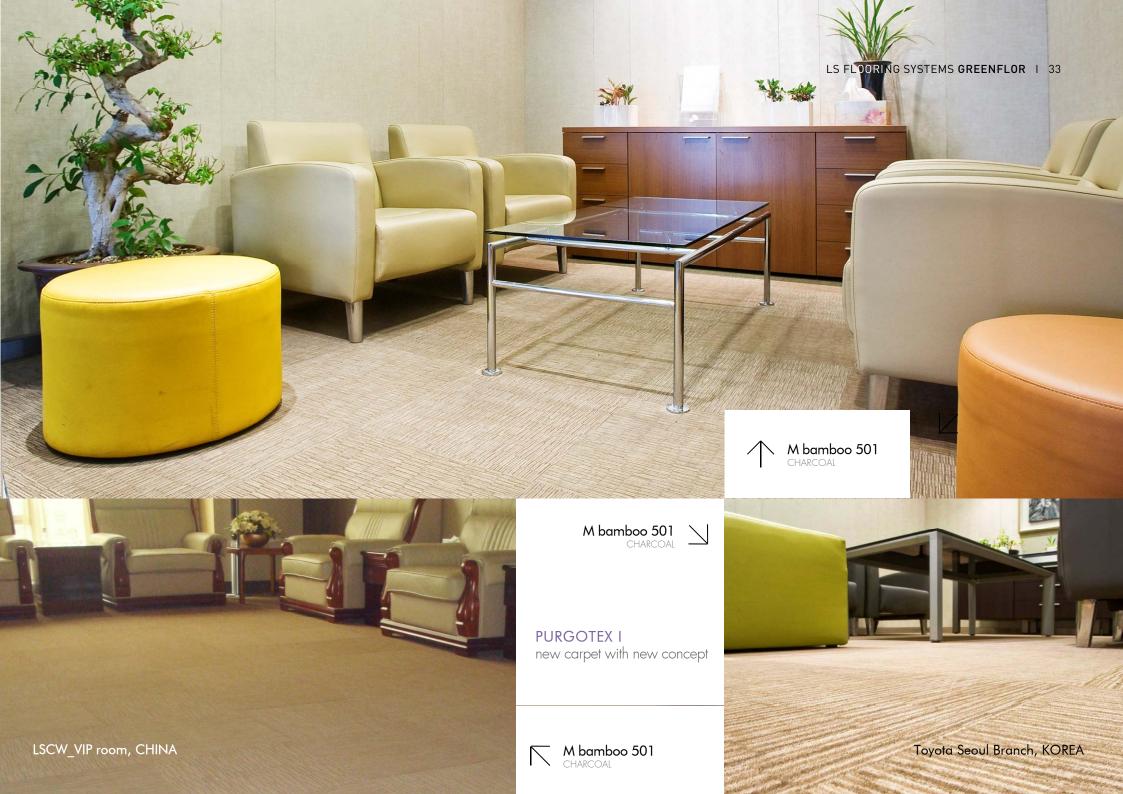


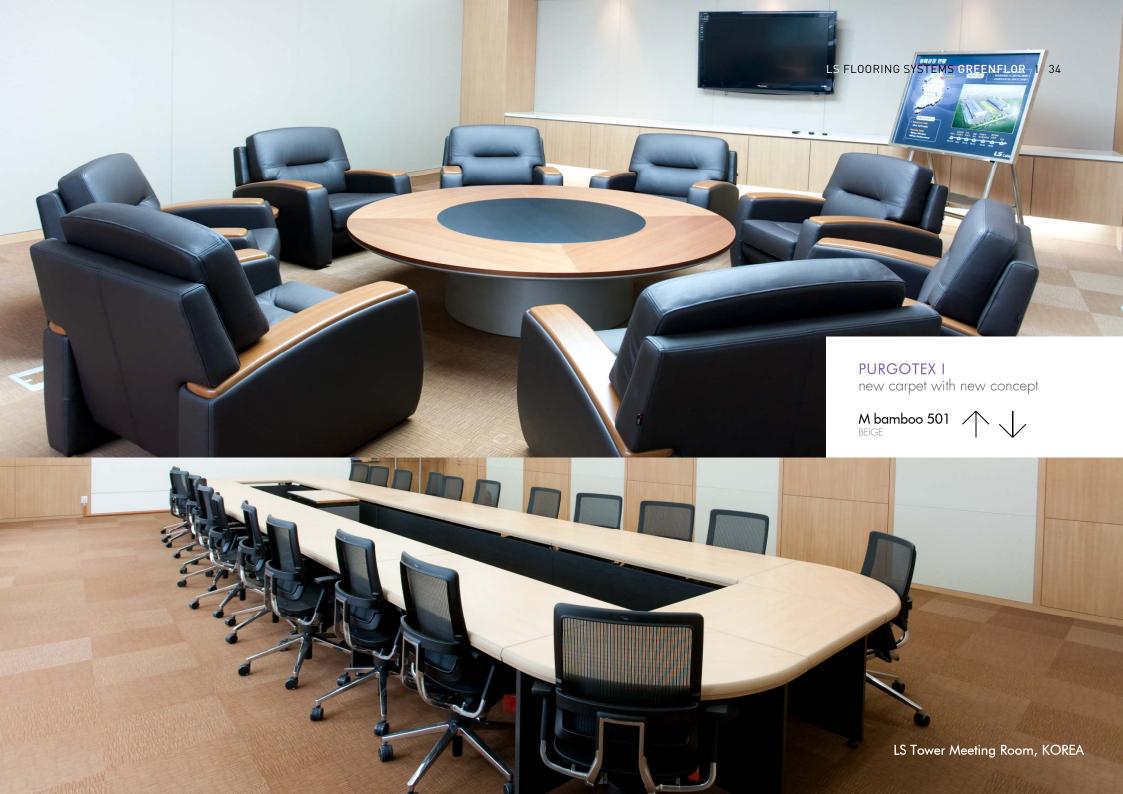




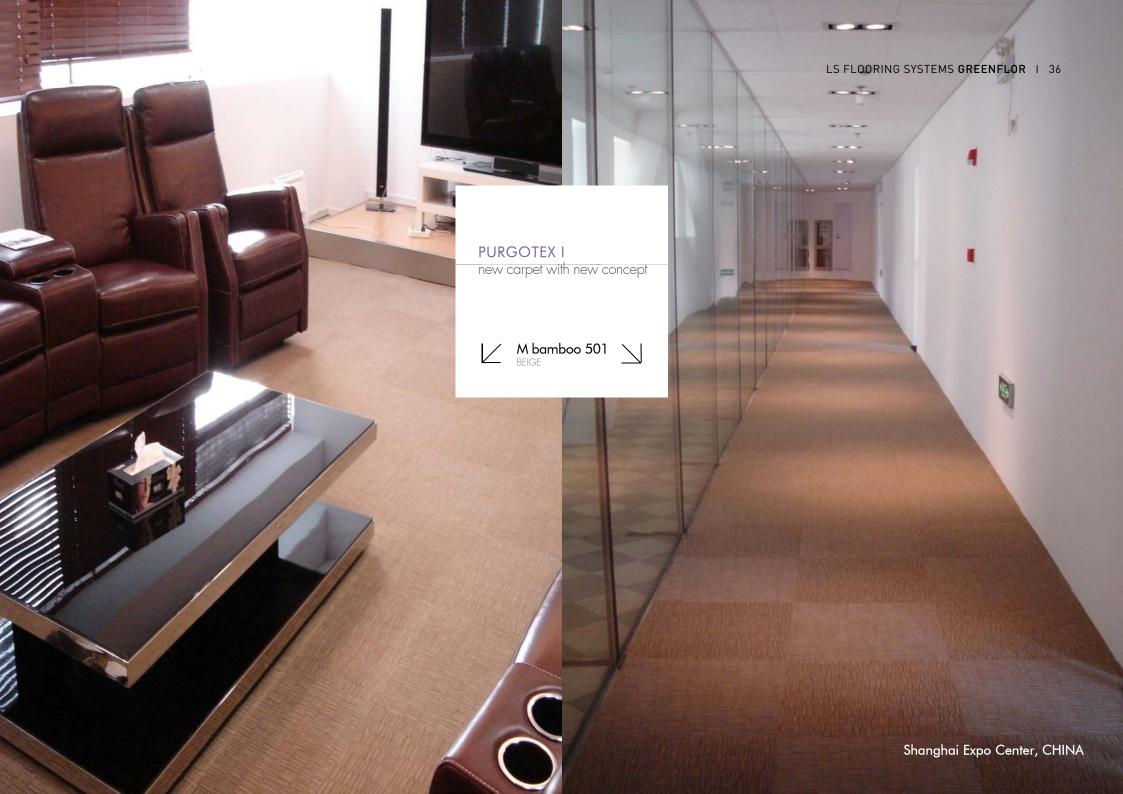


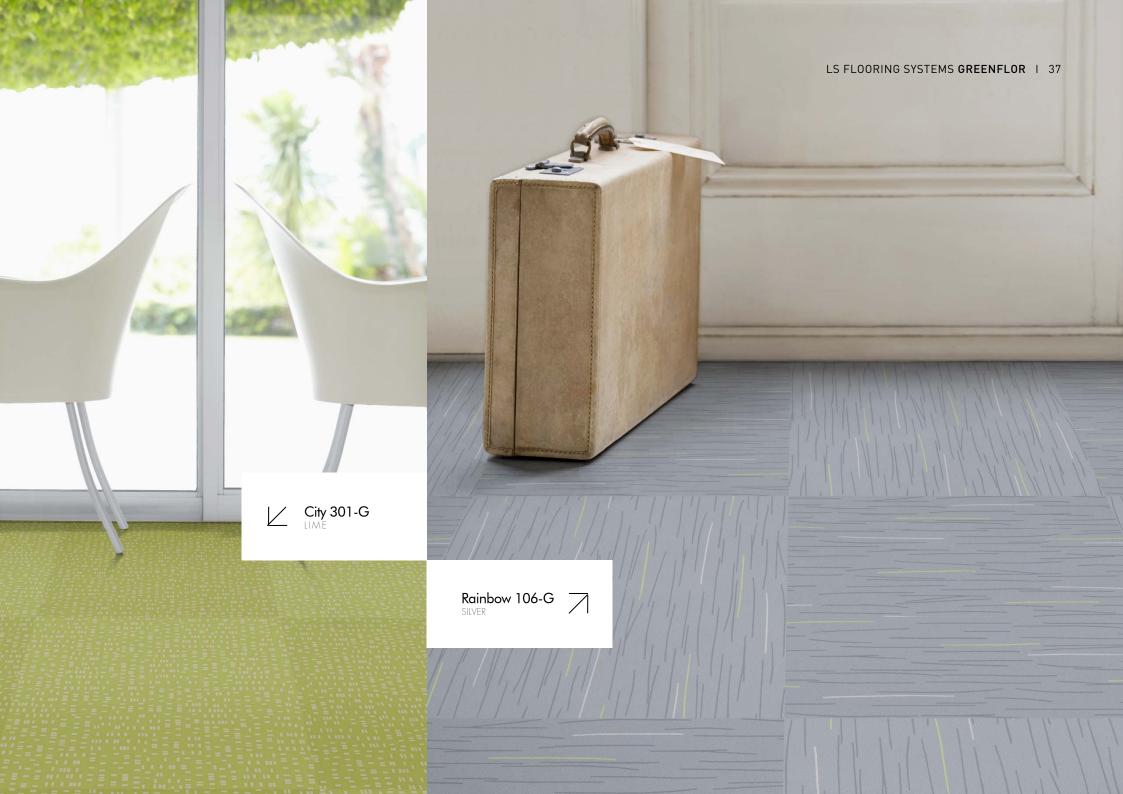


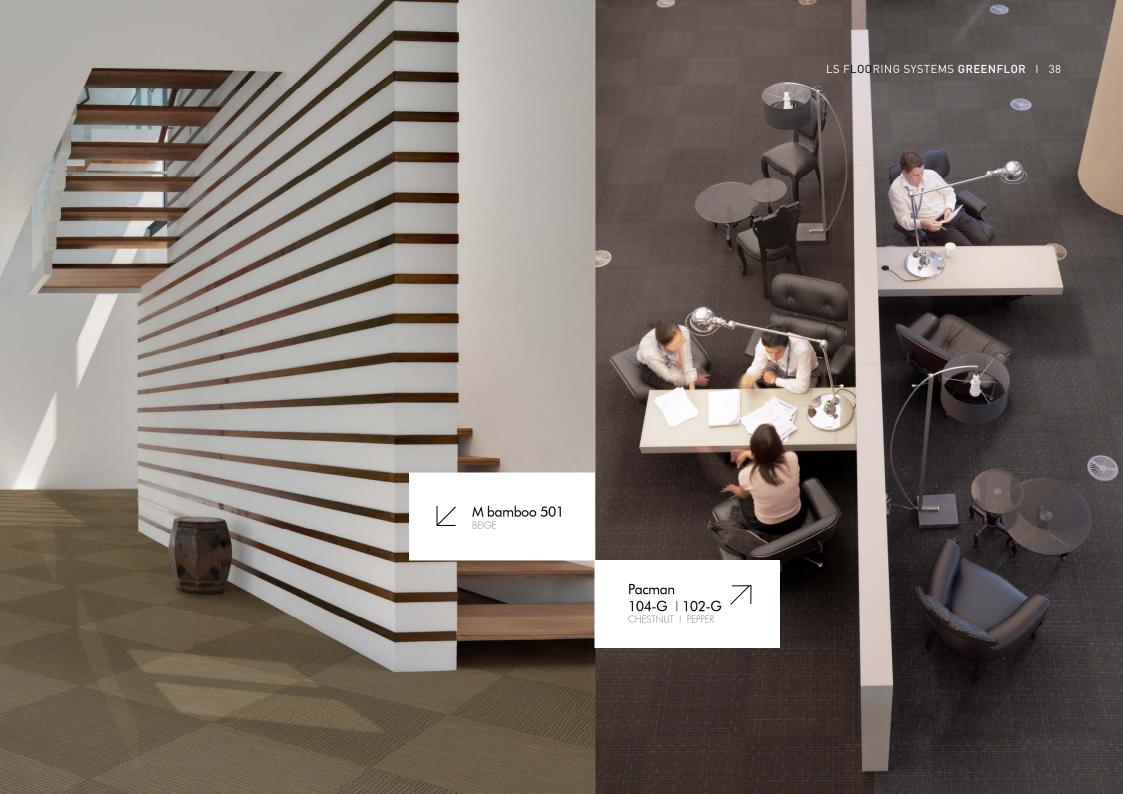


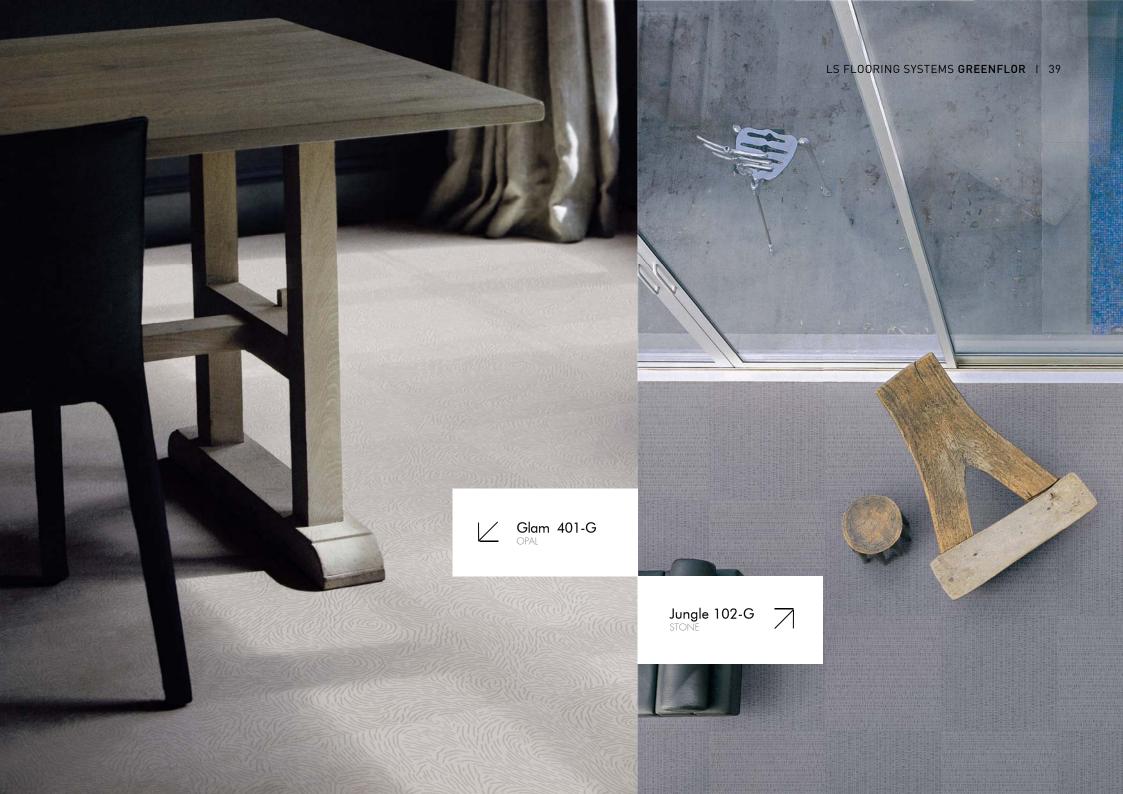


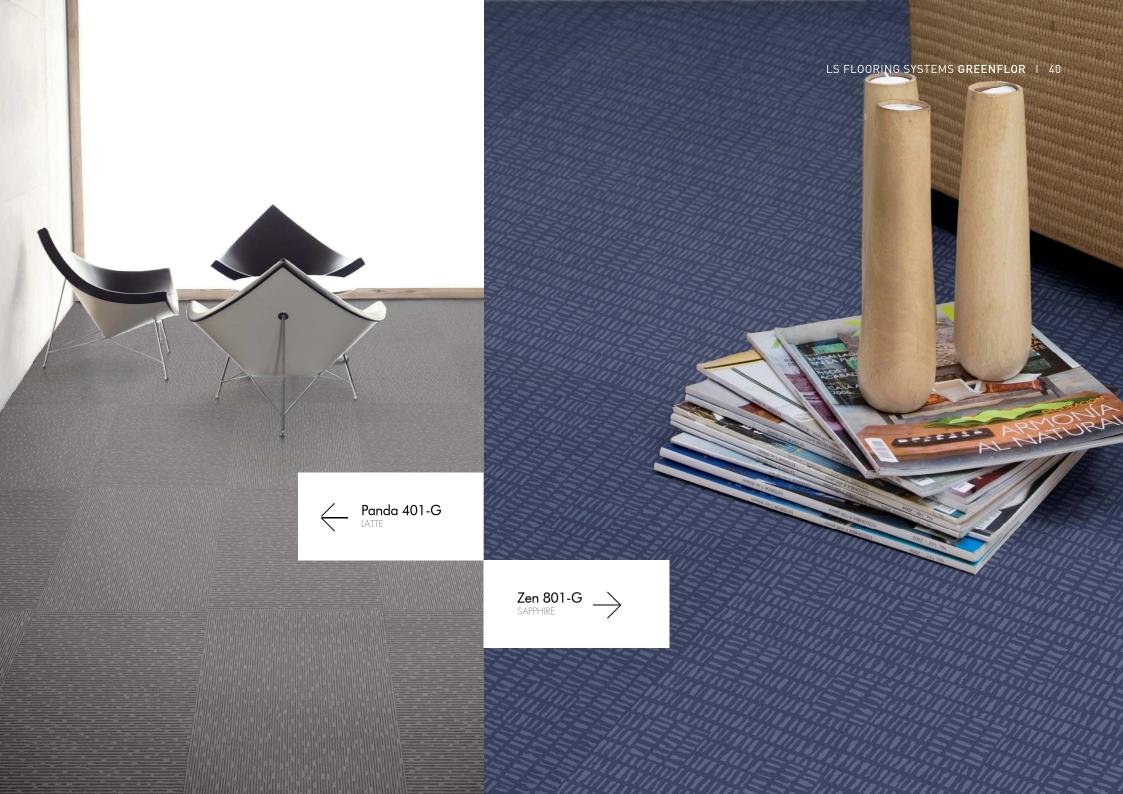


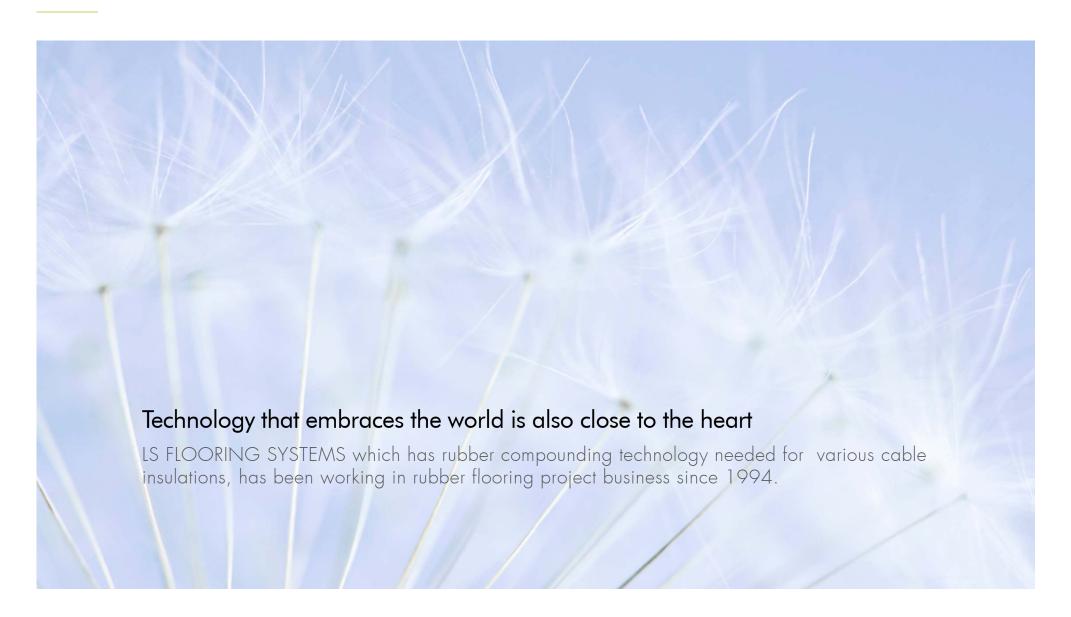












02

LS RUBBER FLOORINGS

Product Descriptions

As a representative product of GREENFLOR, with its outstanding durability, safety and unique design not only is practical, but also creates a sophisticated ambience.

Product Features



Environment-friendly (Non-toxic materials)



Noise reduction



Good slip-resistance (R9)



Unique design



Excellent fire performance



Excellent wear-resistance(long life time), Homogeneous materials

Product Descriptions

Customized Rubber flooring design available (Concept & Color)



Features_Environment-friendly



Floor Score Certificate!

Acquired environment-friendly certificate of Floor Score

TVOCs Emission Test Results

CREL VOC'S	EF (µg/m²-h) at 96-hrs	Private Office Results	School Classroom Results
Carbon disulfide	51. <i>7</i>	Pass	Pass
Isopropanol	4.3	Pass	Pass
Styrene	329.1	Pass	Pass

[* Notified Body: SCS global services]

Features_Environment-friendly



CE Certificate!

Comply with European Standard EN14041 for consumer's safety, health, and environmental protection Fire-Safety and slip-resistance performance retention

Test Results

	Direction of	Test Results					
Characteristic	Characteristic the production		Obtair	Arithmetic mean			
Dynamic coefficient of	Direction A	0.46	0.49	0.50	0.50	0.49	0.49
friction	Direction B	0.43	0.46	0.42	0.46	0.44	0.44

[* Notified Body : TZUS Praha]

Features_Environment-friendly



CPSIA Report!

Satisfied with lead, phthalate content standard in U.S,A Consumer Product Safety Law

Customer Product Safety Improvement Act (H.R.4040)

Test Property	Results
16 CFR 1303 (CPSIA section. 101) - Lead in Surface Coating	N/A
Lead in Substrates (CPSIA section.101)	Pass
Phthalates Content (CPSIA section. 108	
- DEHP, DBP and BBP	Pass
- DINP, DIDP and DnOP	Pass

* N/R: Not Requested, N/A:Not Applicable, N/S: Not Submitted

[* Notified Body: KOTITI (Korea Textile Inspection & Testing Institute]

Features_Flame resistance



Flame resistance !

'Bfl s1' Grade (More than 8 kw/m²) by EN13501-1

* Satisfied with Korean Fire Prevention Law (less than 400ds) Acquired flame retention certificate

Flammability & Smoke density Test Results

Sample	Specimen	Length #1	Length #2	Length #3	Mean
SOFTRON	Critical Radiant Flux (kW/m²)	9.8	9.6	9.6	9.7
G 4mm	Smoke Development Rate (%, min)	131	155	165	150

^{*} Mean critical radiant flux 9.8kW/m²

[* Laboratory : APL Australia Pty Ltd]

Features_Thermal resistance



Testing of Thermal insulating materials!

Achieved a thermal resistance of 0.010155 m² K/W for a single tile (apply with DIN 52612 Part 1/ ISO 8302 standard)

Test Results

Sample	Mean specimen temperature (°C)	Thermal resistance (m ²K/VV)	Test Density (Kg/m³)	Individual Thickness (m)
SOFTRONG 3mm	10	0.010155	1675.76	3.18

Features_Resistance to cigarette



Determination of resistance to stubbed and burning cigarettes!

Satisfied the requirements as specified in BS EN 1817:1998 Showed no visible change, when viewed according to the test method

Cigarette Resistance - Average results

Test method	Sample	Property	Requirements	Results
	softrong -	Stubbed Cigarette	Method A \geq rating 4	5
BS EN 1399:	3011101110 -	Burning Cigarette	Method B ≥ rating 3	3
1998	safeplan -	Stubbed Cigarette	Method A \geq rating 4	4
	JAI LILAIN -	Burning Cigarette	Method B ≥ rating 3	3

Features_Wear resistance



Abrasion resistance using a rotating cylindrical drum devise!

Satisfied the requirements as specified in BS EN 1817:1998

Abrasion Resistance - Average results

Test method	Sample	Property	Requirements	Average result
ISO 4649: 1985	SAFEPLAN	Abrasion resistance Method A, Vertical load (5±0.1) N	≤ 250 mm³	159.85 mm ³

Features_Resistance to staining



Resistance to staining!

Demonstrated no visible changes in appearance and not affected by the stated contaminants when cleaned according to the manufacturers instructions

Stain Resistance - Individual results

Property	Effect of sample after cleaning	Rating
Resistance to marking by liquids:		
Orange Juice/ Coffee/ Cola/ Tea etc	Not affected	0
Resistance to oils and fats:		
Vegetable oil	Not affected	0

Installation Guide

Tile type



STEP 1

Draw a center line on the floor before installation. Lay out product along the line.



STEP 2

Apply adhesives to the bottom of the product laid out and attach product to the floor surface.



STEP 3

Make sure the bottom surface of the product is completely attached to the floor.



STEP 4

Settle the product in position by placing heavy objects, such as sand bags, on top of the product.

Roll type



STEP 1

Draw a center line on the floor before installation.



STEP 2

Lay out two products along the line so that the products overlap each other(by2cm)



STEP 3

Lay out products in the installation site until flattened (for at least 48 hours).



STEP 4

Double-cut the overlapped part so that the joint does not have any gap.



STEP 5

Flip the half of the product over and apply adhesives to the floor.



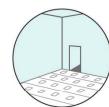
STEP 6

Flip the other half of the product over and apply adhesives to the floor. (Pay attention to moving air when attaching the product to the floor.)



STEP 7

Using a roller of 50Kg or higher, remove air from between product and the floor



STEP 8

Settle the product in position by placing heavy objects, such as sand bags, on the top of the product (for more than 24 hours).

02

LS RUBBER FLOORINGS

SOFTRONG Technical data

	Properties	Requirements	Results	Method
	Dimensional stability	Tolerance allowed: ±0.4%	-0.02%	BS EN 434:1994
	Cigarette-burn resistance	Stubbed Cigarette≥ rating 4 Burning Cigarette≥ rating 3	Fulfilled	BS EN 1399:1998
	Flexibility	No cracking at 20mm	Fulfilled	BS EN 435:1994
	Hardness	≥ 75 Shore A	85	ISO 7619:1986
General	Residual Indentation	Nominal thickness < 2.5mm Average value ≤ 0.2mm	Fulfilled	BS EN 433:1994
	Abrasion resistance	≤ 250mm ³	155mm ³	ISO 4649:1985
	Color fastness to artificial light	6 minimum on blue wool scale ≥ 3 on grey scale	Fulfilled	BS EN ISO 105 B02 :1992
	Chemical resistance	-	Fulfilled	BS EN 423
	Slip resistance	-	R9	DIN 51130:1992
Fire & Smoke	Smoke Density	≤ Ds 450	Fulfilled	ASTM E662
Behavior	Surface Flammability	≥0.45W/cm²	Fulfilled	ASTM E648

SAFEPLAN **Technical data**

	Properties	Requirements	Results	Method
	Dimensional stability	Tolerance allowed:±0.4%	-0.02%	BS EN 434:1994
	Cigarette-burn resistance	Stubbed Cigarette≥ rating 4 Burning Cigarette≥ rating 3	Fulfilled	BS EN 1399:1998
	Flexibility	No cracking at 20mm	Fulfilled	BS EN 435:1994
	Hardness	≥ 75 Shore A	87	ISO 7619:1986
General	Residual Indentation	Nominal thickness < 2.5mm Average value ≤ 0.2mm	Fulfilled	BS EN 433:1994
	Abrasion resistance	≤ 250mm ³	160mm ³	ISO 4649:1985
	Color fastness to artificial light	6 minimum on blue wool scale ≥ 3 on grey scale	Fulfilled	BS EN ISO 105 B02 :1992
	Chemical resistance	-	Fulfilled	BS EN 423
	Slip resistance	-	R9	DIN 51130:1992
Fire & Smoke	Smoke Density	≤ Ds 450	Fulfilled	ASTM E662
Fire & Smoke Behavior	Surface Flammability	≥0.45W/cm²	Fulfilled	ASTM E648

02

LS RUBBER FLOORINGS

SPOFLEX **Technical data**

	Properties	Requirements	Results	Method
	Dimensional stability	Tolerance allowed: ±0.4%	-0.02%	BS EN 434:1994
	Cigarette-burn resistance	Stubbed Cigarette≥ rating 4 Burning Cigarette≥ rating 3	Fulfilled	BS EN 1399:1998
	Flexibility	No cracking at 20mm	Fulfilled	BS EN 435:1994
	Hardness	≥ 75 Shore A	85	ISO 7619:1986
General	Residual Indentation	Nominal thickness < 2.5mm Average value ≤ 0.2mm	Fulfilled	BS EN 433:1994
	Abrasion resistance	≤ 250mm ³	155mm ³	ISO 4649:1985
	Color fastness to artificial light	6 minimum on blue wool scale ≥ 3 on grey scale	Fulfilled	BS EN ISO 105 B02:1992
	Chemical resistance	-	Fulfilled	BS EN 423
	Slip resistance	-	R9	DIN 51130:1992
Fire & Smoke	Smoke Density	≤ Ds 450	Fulfilled	ASTM E662
Behavior	Surface Flammability	≥0.45W/cm²	Fulfilled	ASTM E648

SAFE MARINE Technical data 👑



	Properties	Requirements	Results	Method
	Dimensional stability	Tolerance allowed:±0.4%	-0.02%	BS EN 434:1994
	Cigarette-burn resistance	Stubbed Cigarette≥ rating 4 Burning Cigarette≥ rating 3	Fulfilled	BS EN 1399:1998
	Flexibility	No cracking at 20mm	Fulfilled	BS EN 435:1994
	Hardness	≥ 75 Shore A	85	ISO 7619:1986
General	Residual Indentation	Nominal thickness < 2.5mm Average value ≤ 0.2mm	Fulfilled	BS EN 433:1994
	Abrasion resistance	≤ 250mm ³	155mm³	ISO 4649:1985
	Color fastness to artificial light	6 minimum on blue wool scale ≥ 3 on grey scale	Fulfilled	BS EN ISO 105 B02:1992
	Chemical resistance	-	Fulfilled	BS EN 423
	Slip resistance	-	R9	DIN 51130:1992
Fire & Smoke	Smoke Density	IAAO DEC AACO / 11/7	E 1611 1	IMO Resolution MSC61(67): Anne x1, Part 5
Behavior	Smoke Density & Toxity	— IMO RES, MSC 61(67)	Fulfilled	IMO Resolution MSC61(67): Anne x1, Part 2

SAFE GUARD Technical data 💂

	Properties	Requirements	Results	Method
General	Color fastness to artificial light	6 minimum on blue wool scale ≥ 3 on grey scale	Fulfilled	BS EN ISO 105 B02:1992
	Residual Indentation	Nominal thickness < 2.5mm Average value ≤ 0.2mm	Fulfilled	BS EN 433:1994
	Flexibility Diameter of mandrel 20mm	No cracking at 20mm	Fulfilled	BS EN 435:1994
	Stubbed Cigarette	Method A ≥ rating 4	Fulfilled	BS EN 1399: 1998
	Burning Cigarette	Method B ≥ rating 3		
	Abrasion resistance	≤ 250mm ³	180mm ³	ISO 4649:1985
	Hardness	≥ 75 Shore A	89	ISO 7619:1986
	Dimensional stability	Tolerance allowed: ±0.4%	-0.2%	BS EN 434:1994
Other Properties	Chemical resistance	-	Fulfilled	BS EN 423
	Slip resistance	-	R9	DIN 51130:1992
Flame Resistance	Oxygen Index	— KORAIL safety standards for trains	Fulfilled	ISO 4589-2
	Index of Toxicity			BS 6853 Annex B.2
	Smoke density			ASTM E662
	Surface Flammability			ASTM E648

SOFTRONG Products Index 2013



Solid Round 3T/4T





Tile type rubber flooring with multifunction

02

LS RUBBER FLOORINGS

SOFTRONG Products Index 2013



SOFTRONG Products Index 2013

Solid Hammered 3T







Tile type rubber flooring with multifunction

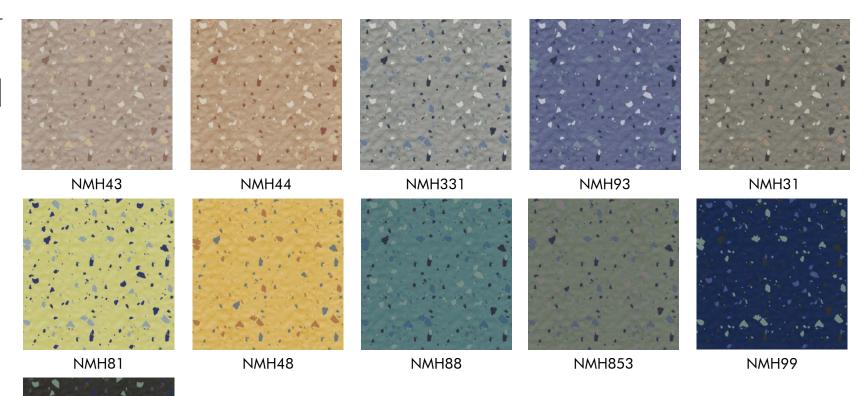
CMH921

CMH972

SOFTRONG Products Index 2013



Chip Hammered 3T/3.5T







Tile type rubber flooring with multifunction

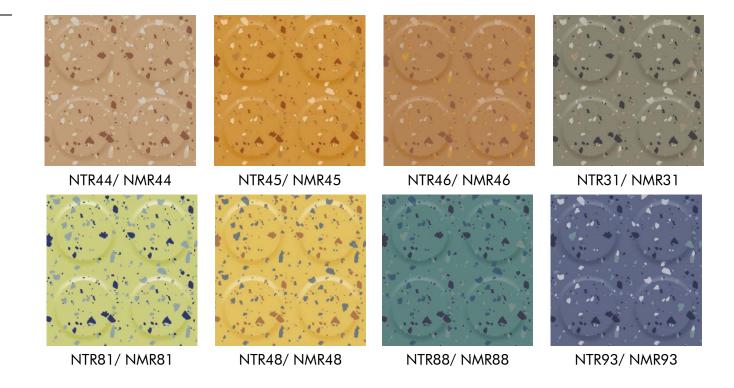


NMH210

SOFTRONG Products Index 2013



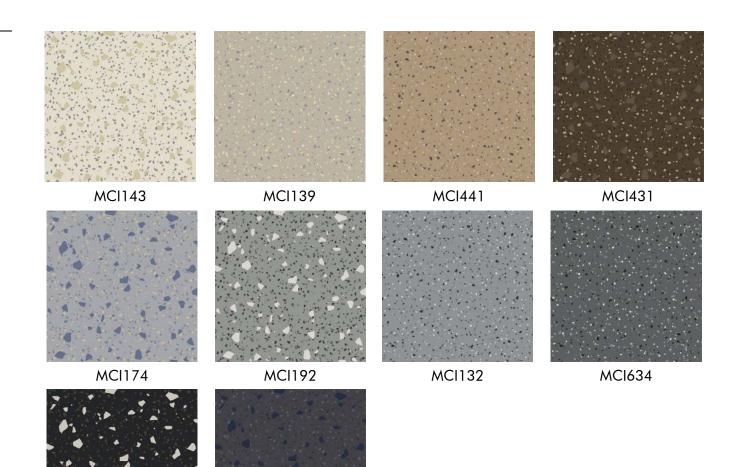
Chip Round 3T/ 4T



MCI439

SOFTRONG Products Index 2013

Chip Stone 3.5T



MCI975





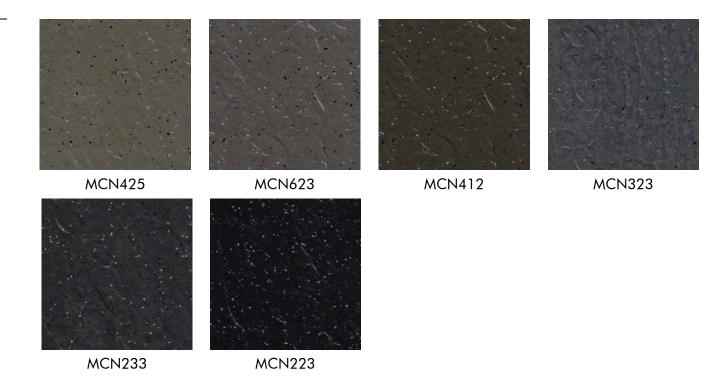
Tile type rubber flooring with multifunction

02

LS RUBBER FLOORINGS

SOFTRONG Products Index 2013

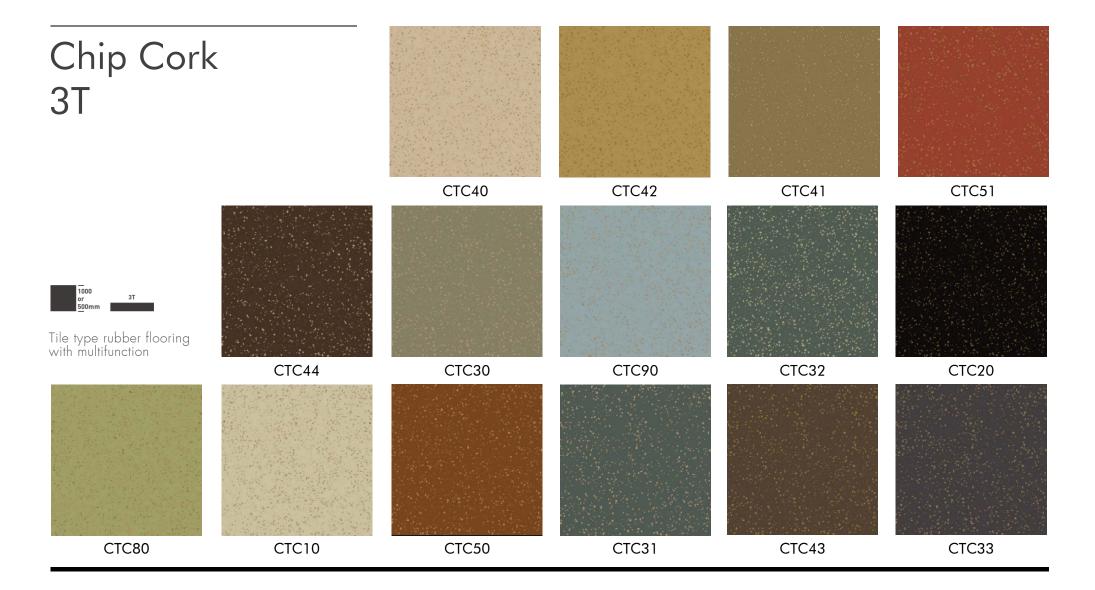
Chip Slate 3.5T





SOFTRONG Products Index 2013



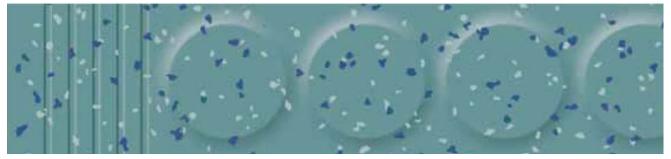


SOFTRONG Products Index 2013

Stair 3T/5T



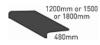
Solid Stair 3T/5T I SOCR42



Chip Stair 3T/5T | SNOCR88



Chip Hammered 3T I SNHCR31

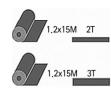


SAFEPLAN Products Index 2013

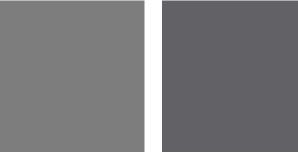


Roll Solid 2T/3T





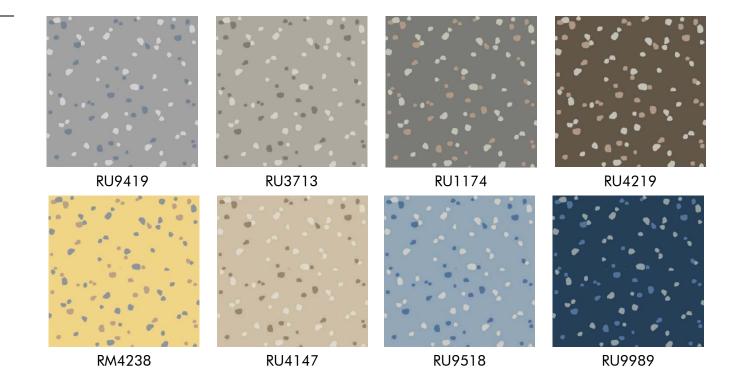
Roll type rubber flooring suitable for health care

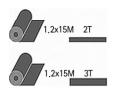


RM32000 RM3000

SAFEPLAN Products Index 2013

Roll Neo Chip 2T/3T



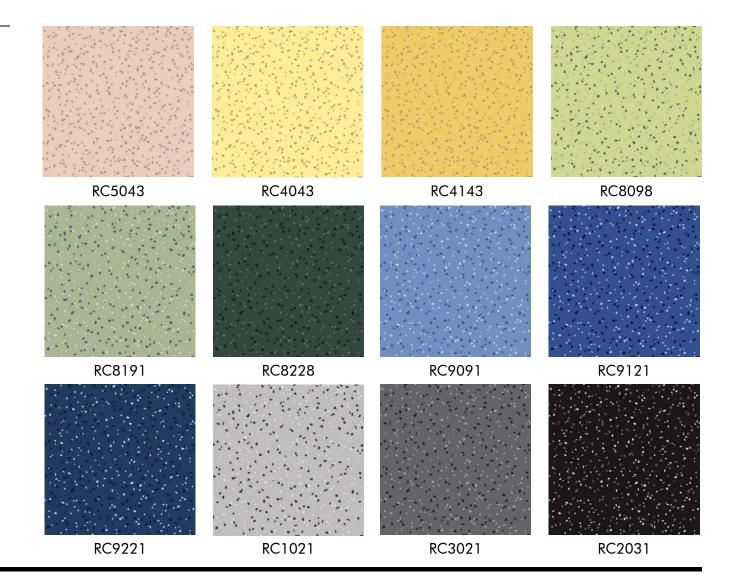


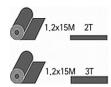
02

LS RUBBER FLOORINGS

SAFEPLAN Products Index 2013

Roll Chip 2T/3T

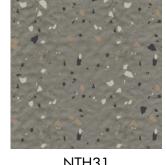


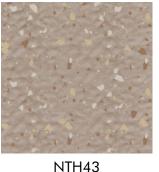


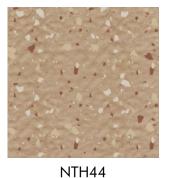
Roll type rubber flooring suitable for health care

SPOFLEX Products Index 2013 🚅

Chip Hammered 9.5T









1000 27

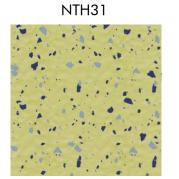
Rubber flooring for a wide range of sports facilities

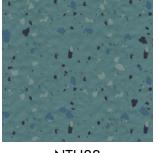
Chip Slate, 6T

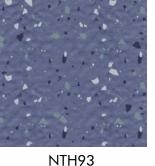


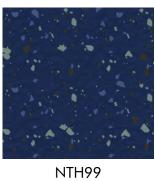


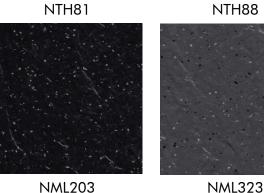
Rubber flooring for a wide range of sports facilities









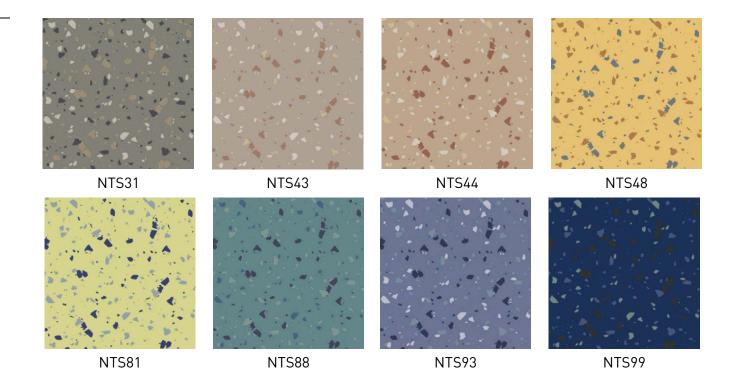






SPOFLEX Products Index 2013 🚅

Chip Simple 9.5T







SAFE MARINE Products Index 2013



Solid Round







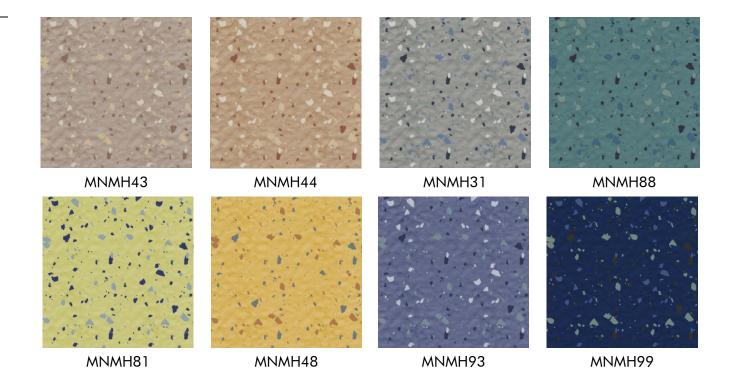


LS RUBBER FLOORINGS

SAFE MARINE Products Index 2013 4



Chip Hammered **3T**



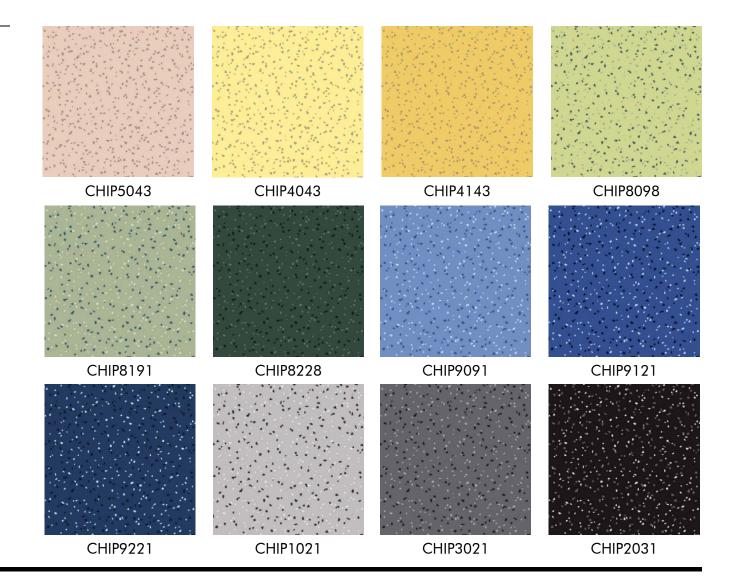


02

LS RUBBER FLOORINGS

SAFE MARINE Products Index 2013 -

Roll Chip 2T





Conformity to strict requirements of seagoing vessels

LS RUBBER FLOORINGS

SAFE MARINE Products Index 2013



Chip Round

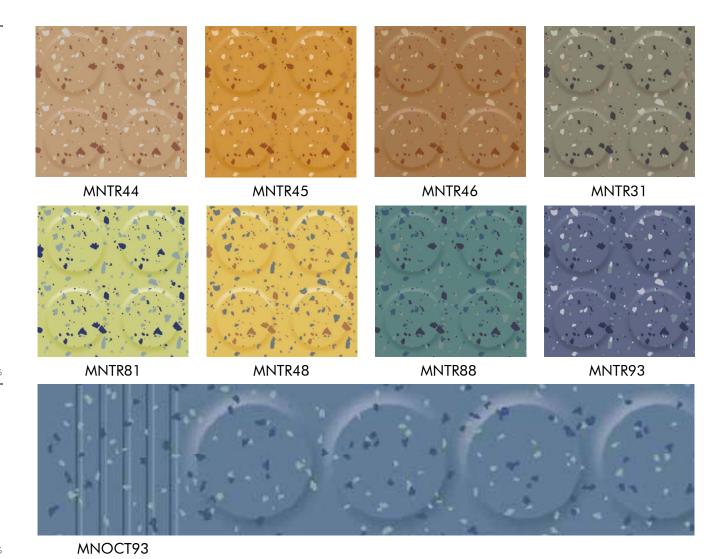


Conformity to strict requirements of seagoing vessels

Chip Stair, 3T



Conformity to strict requirements of seagoing vessels

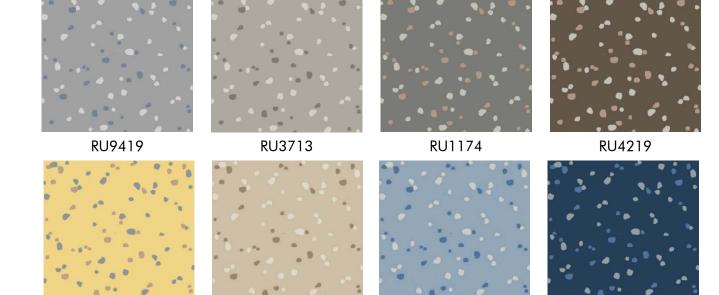


RU9989

LS RUBBER FLOORINGS

SAFE GUARD Products Index 2013

Roll Neo Chip 2T/3T



RU9518

RU4147



Non-flammable rubber-flooring

Customized Design 3T



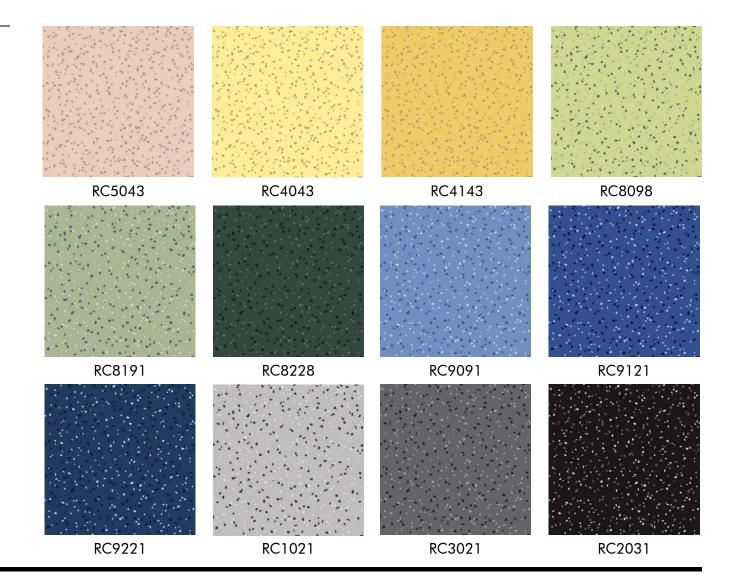
Non-flammable rubber-flooring

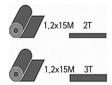


LS RUBBER FLOORINGS

SAFE GUARD Products Index 2013

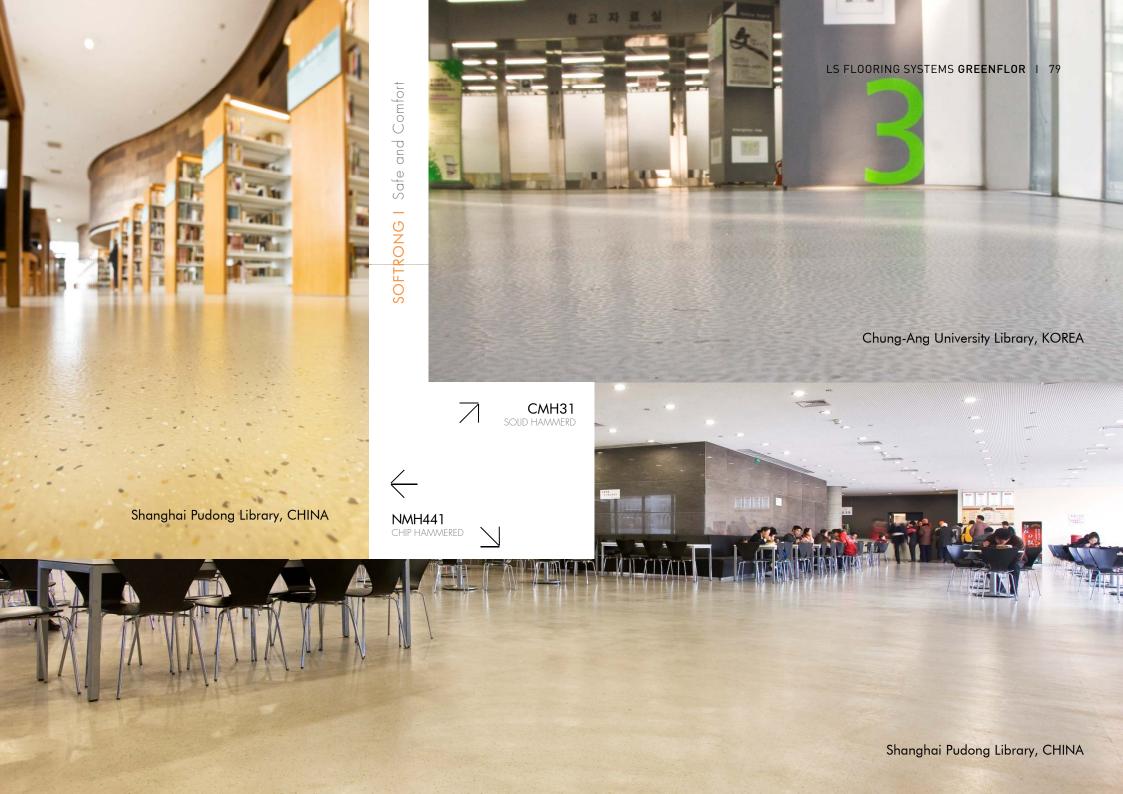
Roll Chip 2T/ 3T

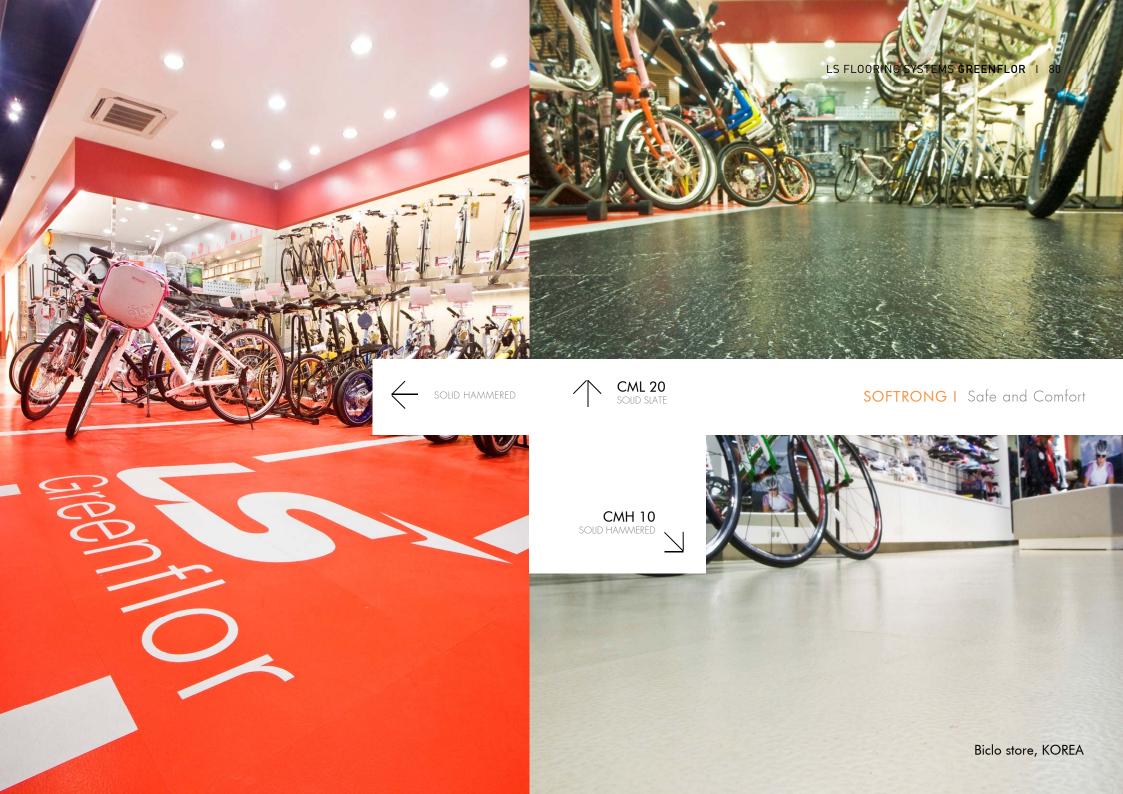


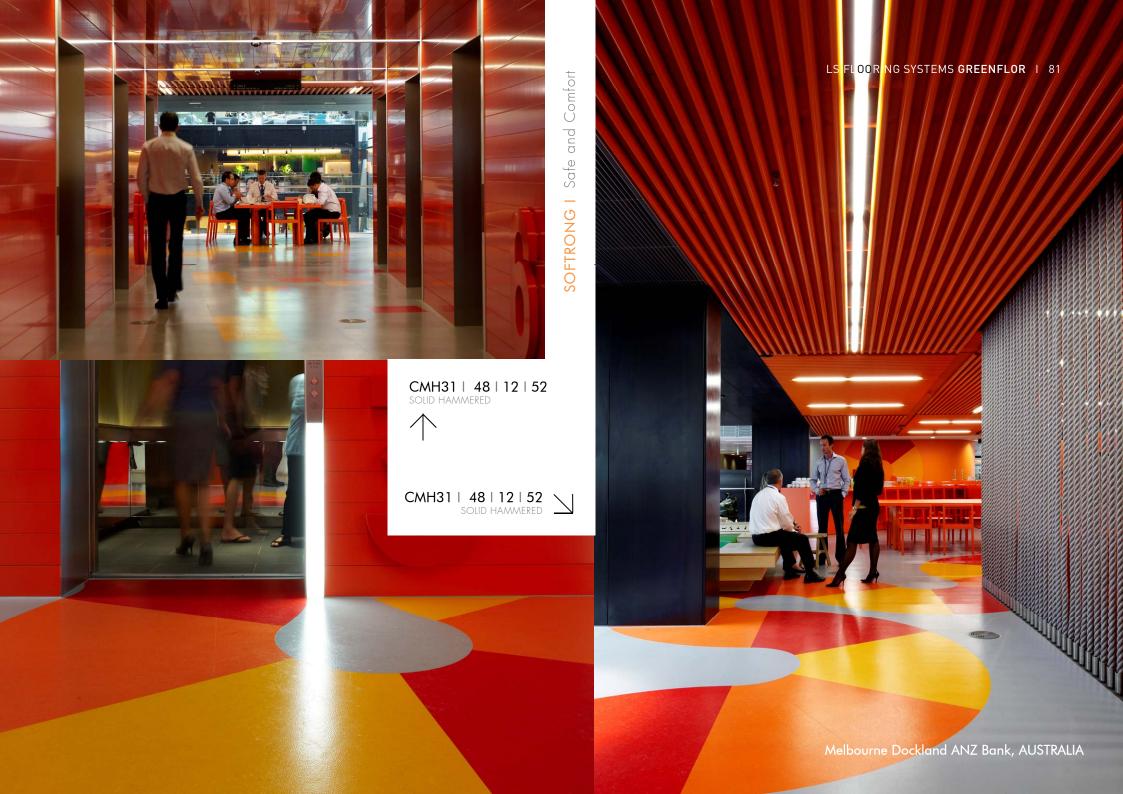


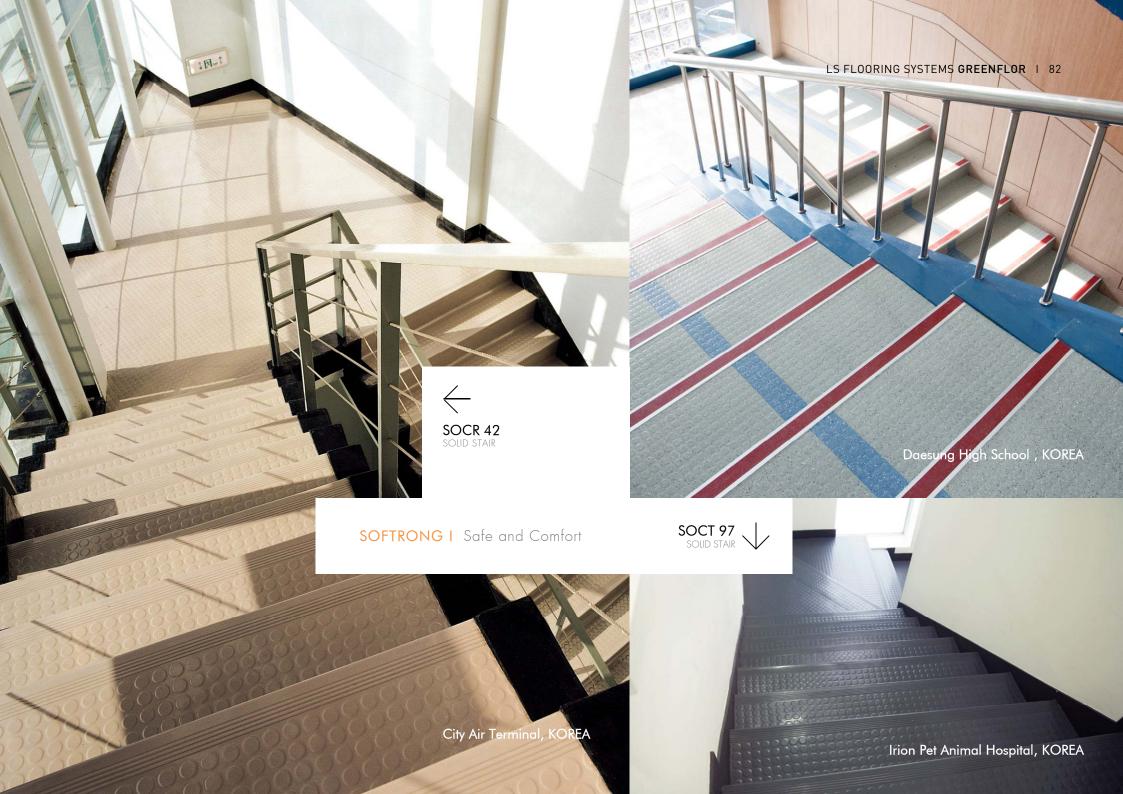
Non-flammable rubber-flooring



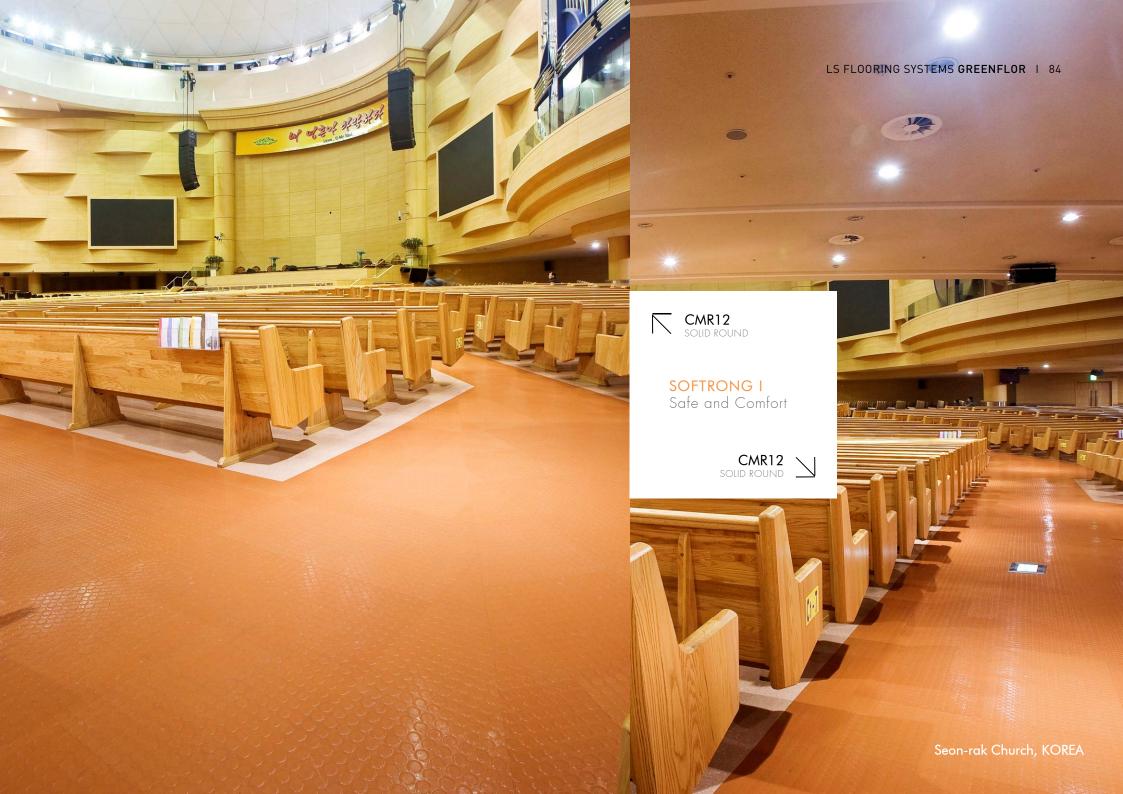


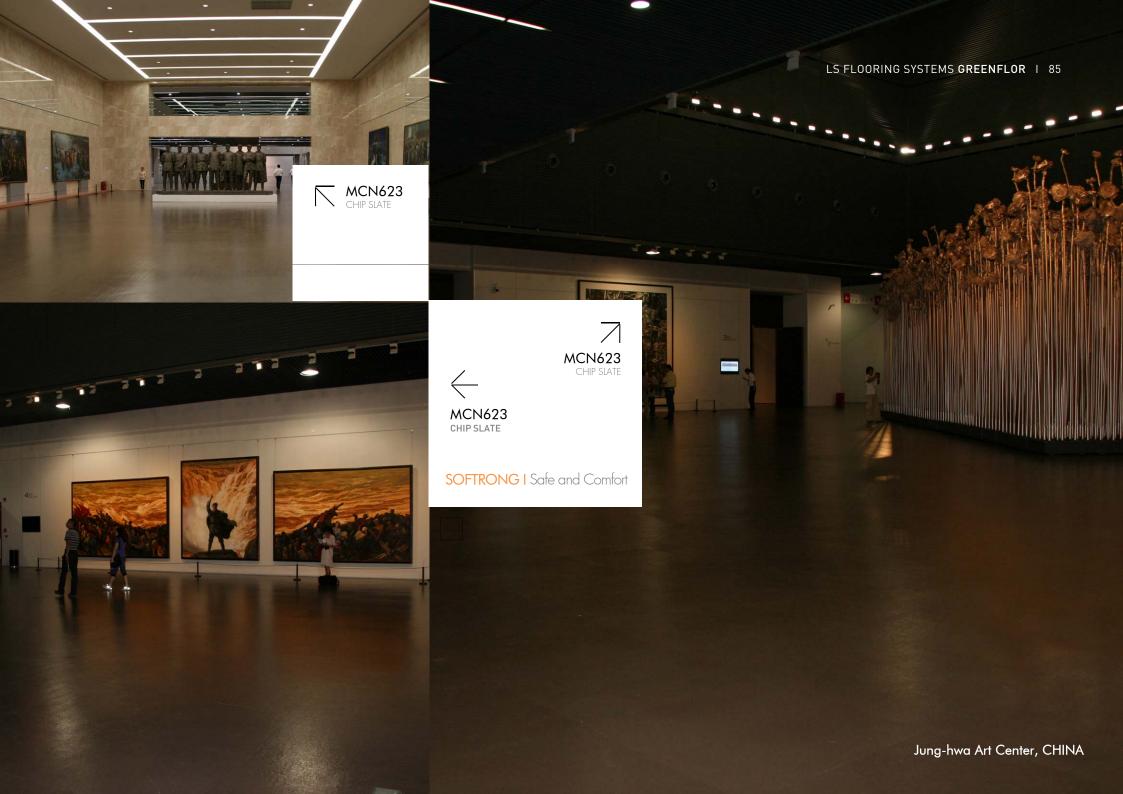


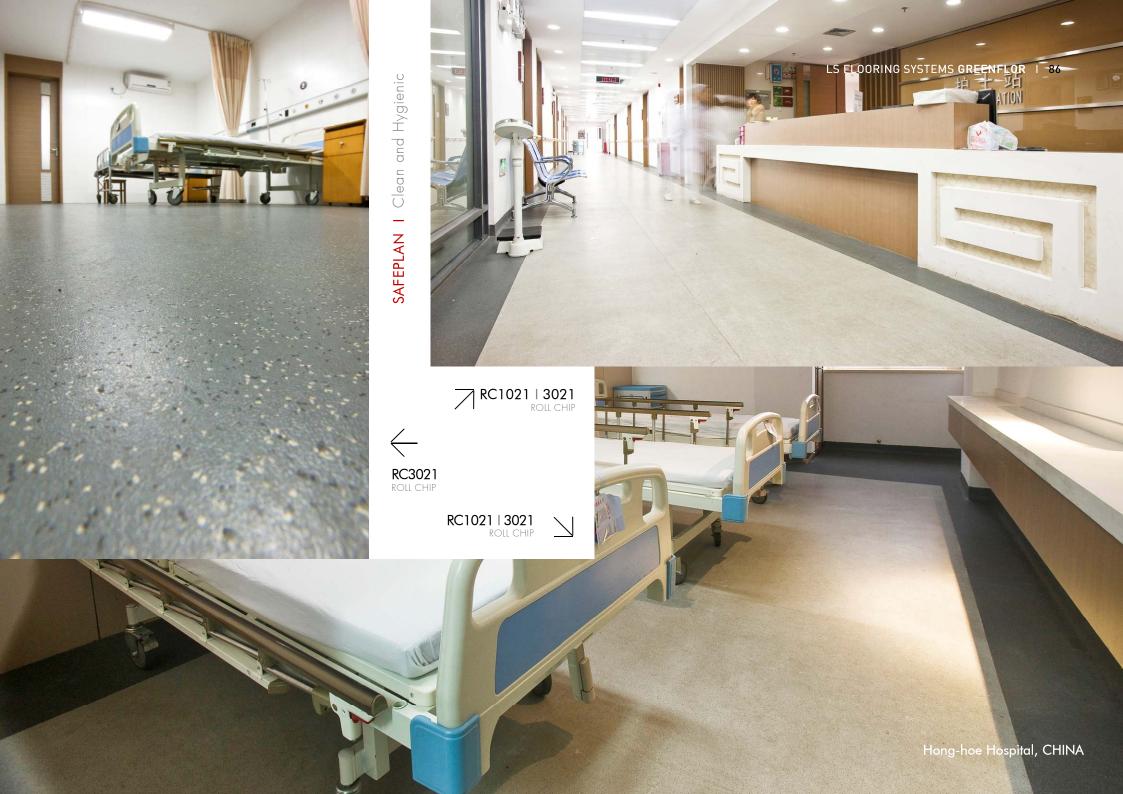


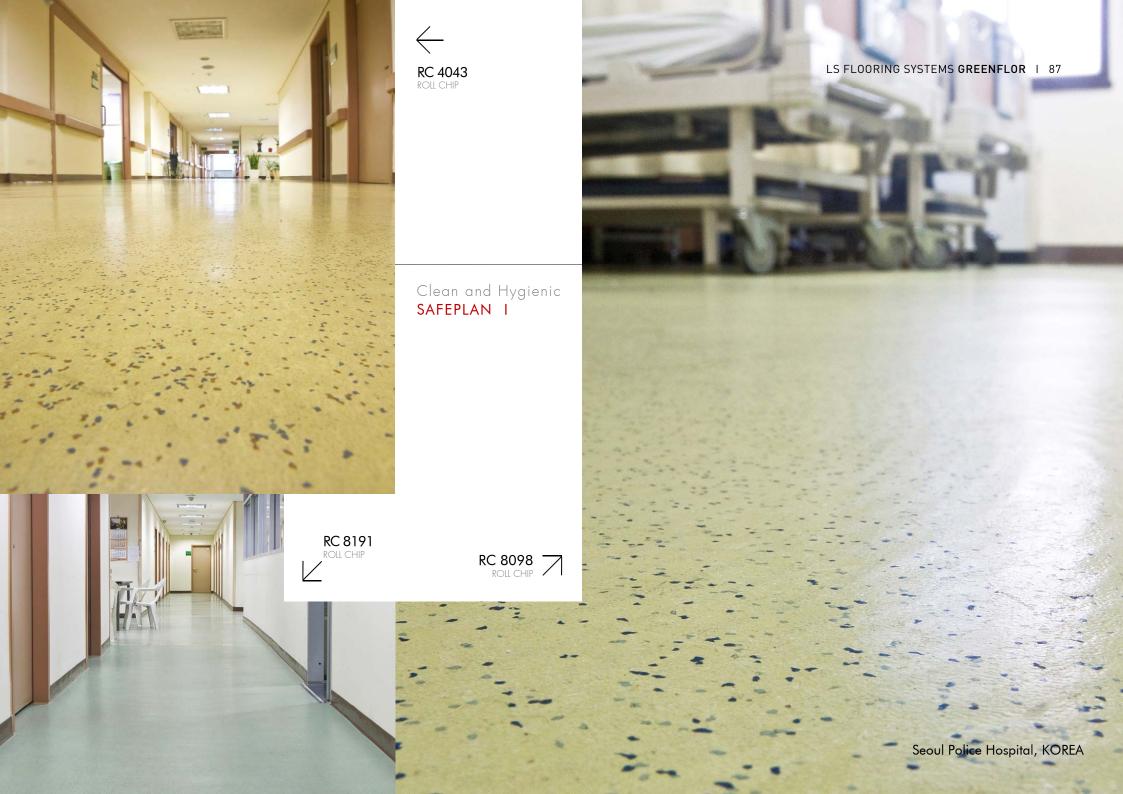


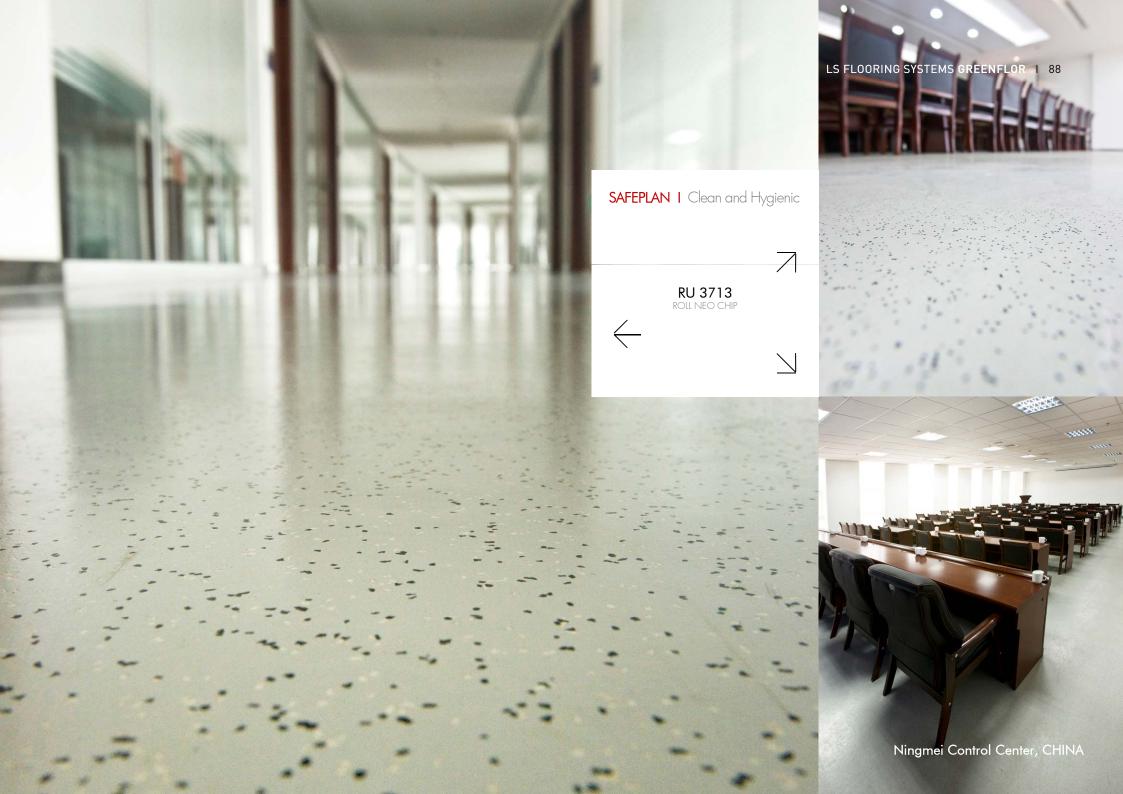




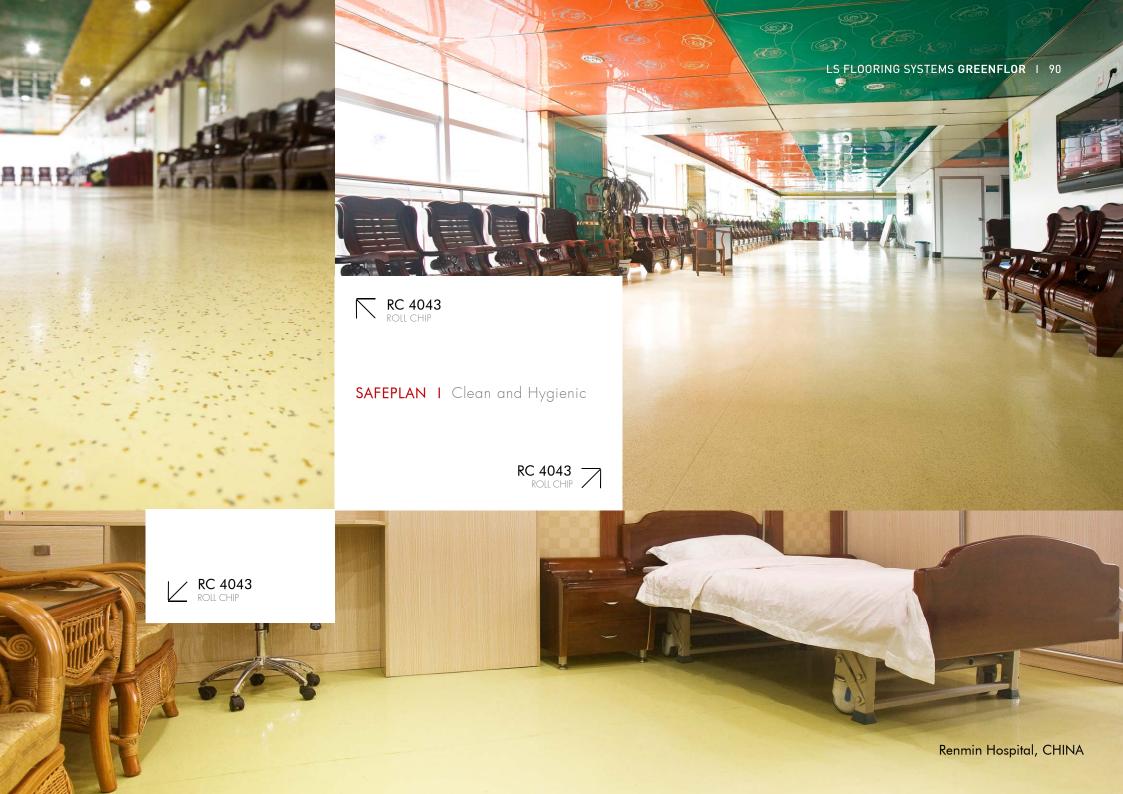






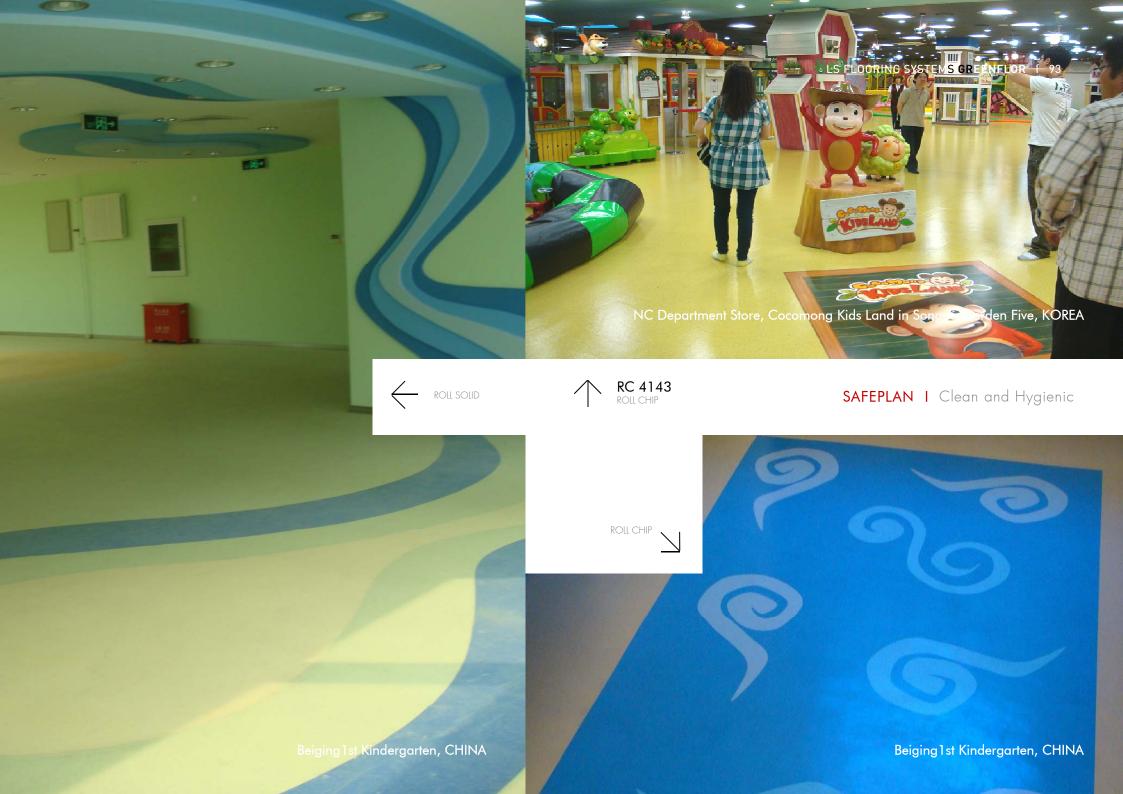


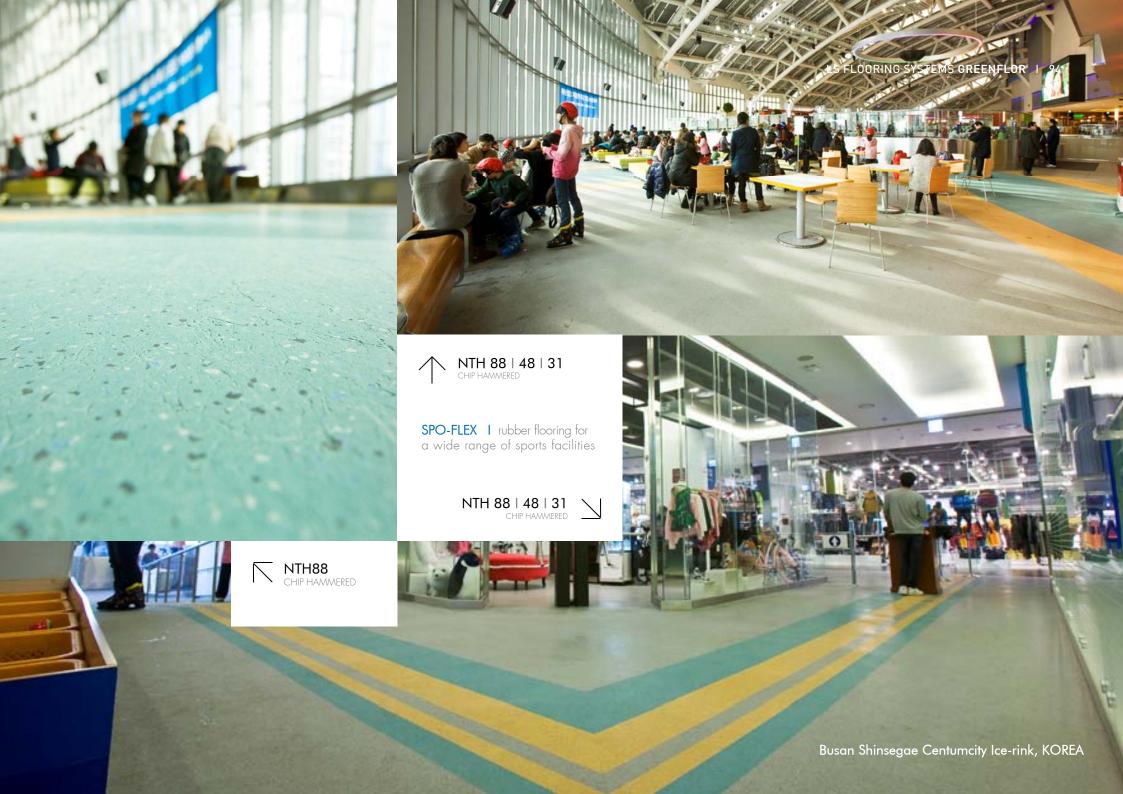


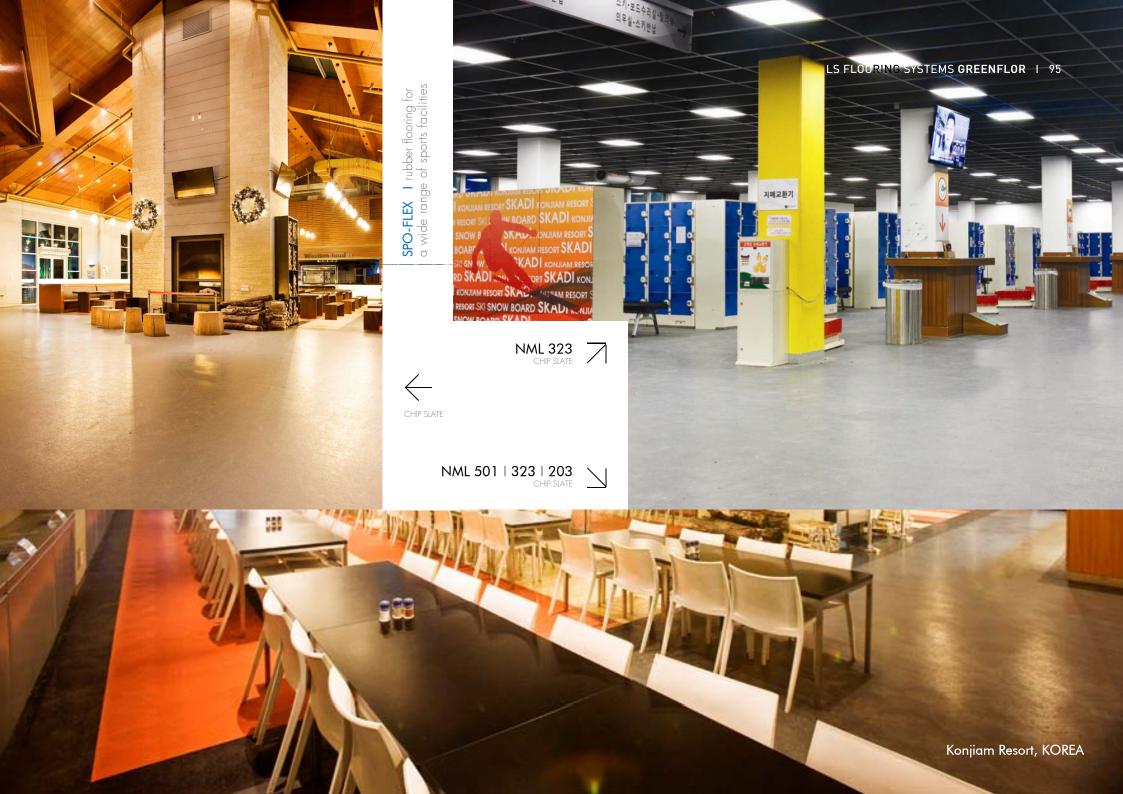


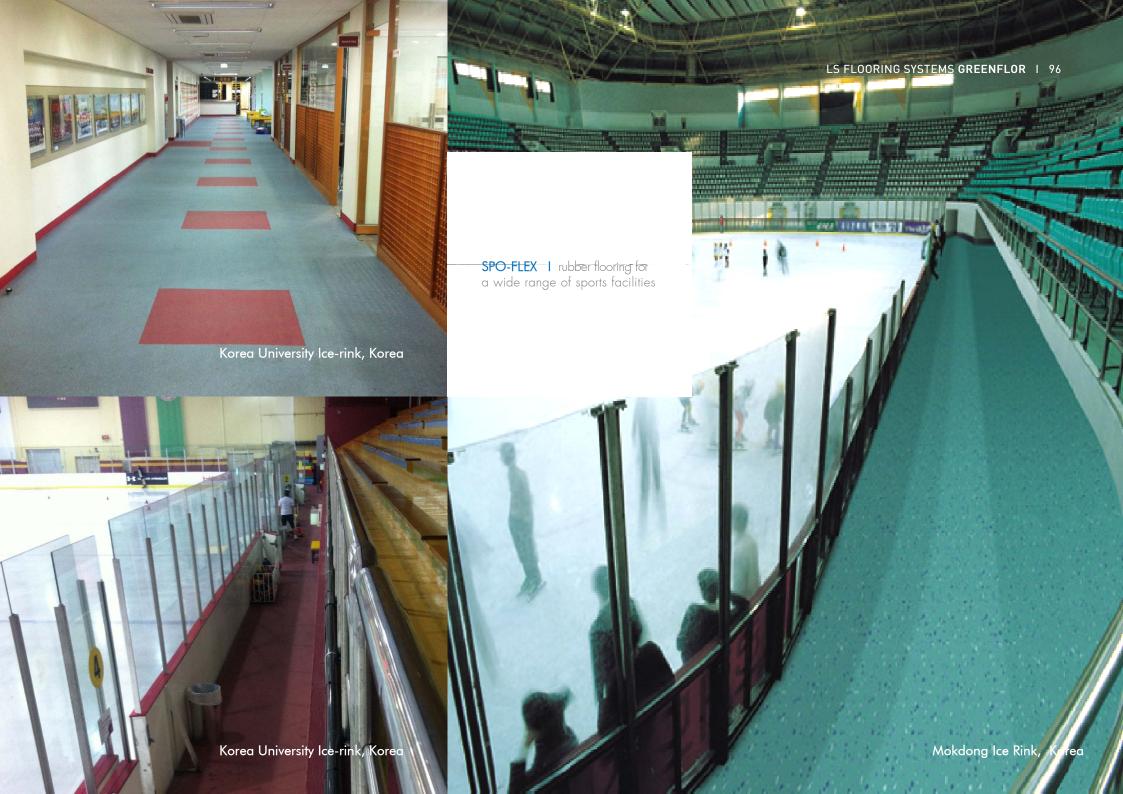


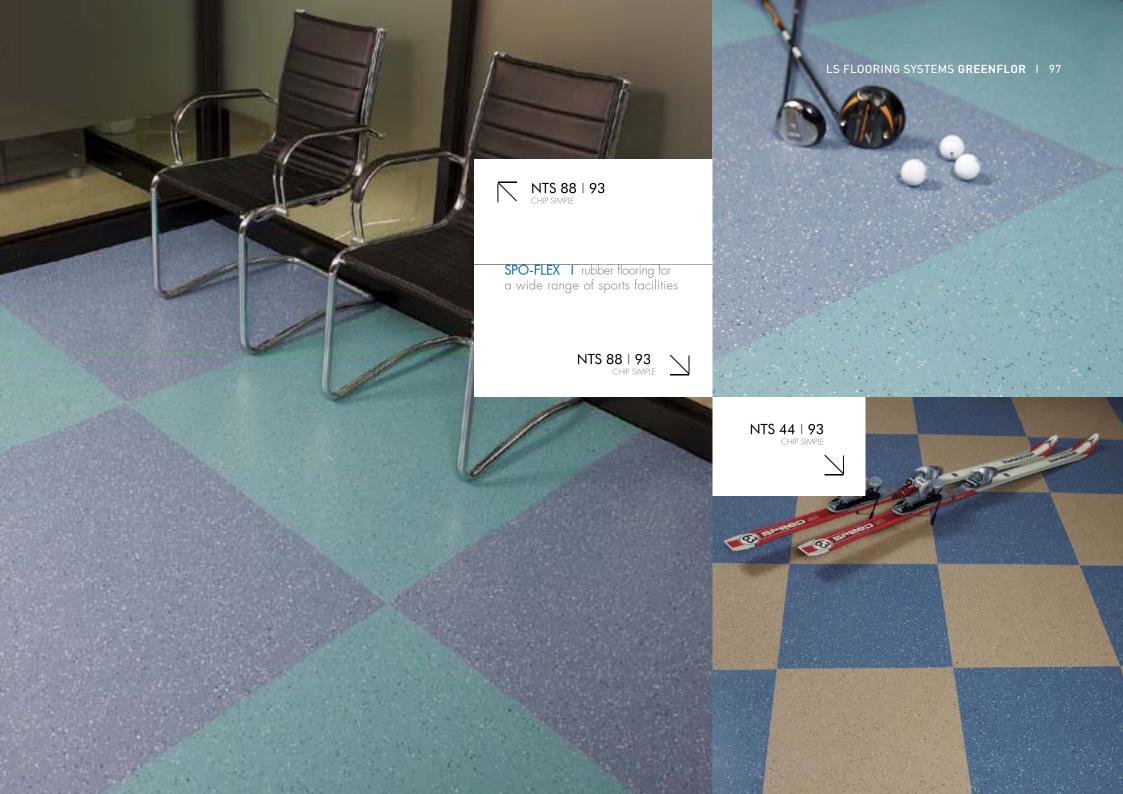












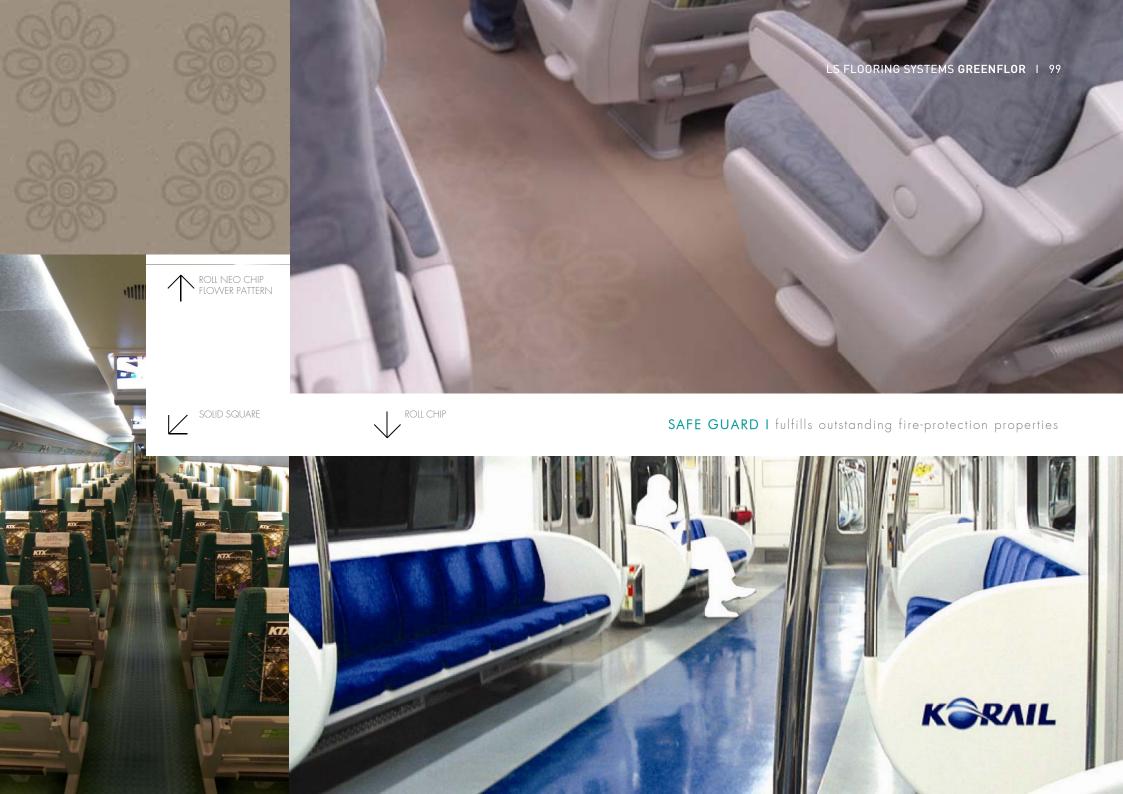




LS FLOORING SYSTEMS GREENFLOR | 98







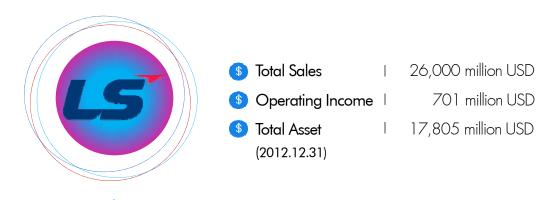
LS History

LS spun off from LG in 2003 as a group. specializing in the electrics, electronics, energy and materials.



LS Overview

LS consists of about 40 affiliates including LS Cable & System, LS IS, LS-Nikko Copper, LS Mtron, Gaon Cable, E1 and Yesco







Automatic Equipments











Copper Cathodes

Mechanical & Electronic Parts Power & Communication Cables

LPG

City Gas













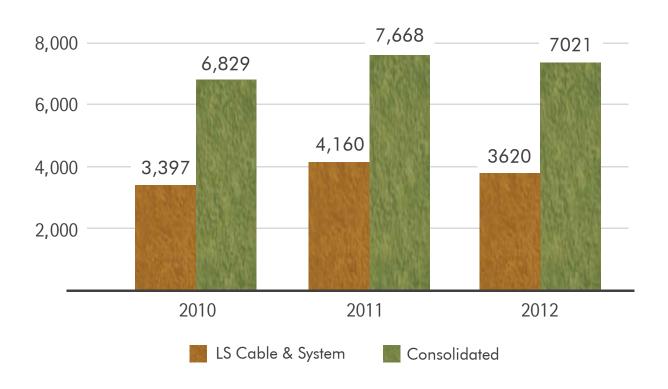


Financial Highlights

Achieved steady growth through business model innovation and globalization

Sales

(Unit: USD Million)





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PURGOTEX

2013/2014 NEW COLLECTION

LS FLOORING SYSTEMS



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