



Royal
House

NATROYAL
GROUP

VINYL FLOORING COLLECTION

VOL II



Since 1962, Natroyal Group (formerly Samsons Group) are one of the pioneers in India engaged in manufacturing, exporting and leading suppliers of PVC Vinyl Flooring (Royal House), Coated Fabrics / Leather cloth / Artificial leather (National's Royal Touch), Two-wheeler Seat cover with Heat Management properties (Joyride), Circular & Warp Knitted Fabrics (Royal Knit) and Seating Components (Vijayjyot). With the long years of experience and conformity in this realm, we have emerged as the leading brand in the market for all our products.

The production facilities are located near Vadodara (Baroda), Gujarat, India and corporate office is located in Mumbai, India. The products are available throughout India through our network of distributors and retailers. Group products are exported and well accepted in Europe, USA, Russia, Middle East, Africa and South East Asia.

Royal House PVC Vinyl Flooring is manufactured in thickness ranging between 0.37 mm to 3 mm with excellent acceptance in Education, Healthcare & Wet areas, Residential, Office, Retail & Hospitality and Transport sectors. Royal House also proudly announces the launch of PVC Planks also known as LVT (Luxury Vinyl Tile) under the Brand Name of "Nuplank". As a practice of pioneering high range products, we are the first company to produce this in India. It is available in 1.5mm and 2.0mm thickness and size of 6 inch x 36 inch.

Royal Touch manufactures coated fabric also known as Artificial leather, PVC/PU Vinyl, leather cloth in 0.7mm to 2mm thickness. The products are well accepted in Home & Office furnishing, Automotive interior such as car seat, door panel, trim cover, Fashion accessories such as ladies hand bags and belts, Shoe industries, Aftermarket upholstery, Medical and various other end uses.

Joyride manufactures two-wheeler Joyride seat covers with superior grade of leather cloth with special technology incorporated, which protect seats from harsh UV rays. First time in India, the product is focussed on certain factors like heat management, environment friendly and value for money.

Royal Knit we are manufacturing technical textile circular and warp knit fabrics which is a key ingredient for making leather cloth/ coated fabrics and backing fabric for making automotive fabric with foaming technology.

VIJAYJYOT | Seat component division manufactures frame fabrication, trim covers and polyurethane foam. We make components for various seating requirement such as Automotive seat, Cinema seat, Auditorium seat, Metro transport components and Commercial vehicle such as bus & truck seat. We also make Railway seats such as driver's and Chair car seats for train coaches.

Our offered array is highly appreciated for its quality assurance, strong build, durability, cost effective rates, low maintenance and beautiful design.

Certain products are **CE** and **SGS** certified.
Kindly contact us for further details.

CONTENT

Application Area -----	4
Symbol Guide -----	5
Mirakle -----	6
Wally -----	8
Tuff -----	9
Orbit -----	10
Moonwalk -----	12
Accord -----	14
Symphony -----	16
Startrek -----	18
Sonata -----	20
Suprema RS -----	22
Standard RS -----	24
Aqua RS -----	26
Ecoplus V -----	28
Gripper -----	30
Royal Star -----	32
Elegant -----	34
Dazzle -----	36
Nuplank -----	38
Majesty Pro -----	42
Majesty -----	44
Royal Classic -----	46
Opera -----	48
Printed Flooring -----	50
Technical Specifications -----	52
Installation & Maintenance -----	56



APPLICATION AREAS

EDUCATION



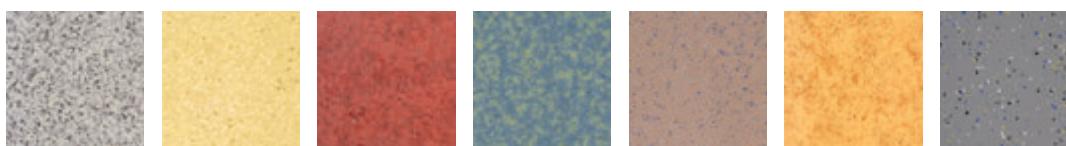
Our Education range of Vinyl Flooring is developed to help students concentrate, inspire and interact. The vibrant colors enhance creativity and concentration for both the students and facilitators.



HEALTHCARE & WET AREAS



Our flooring provides a healthy and hygienic environment to patients to enhance the healing and curing elements for a speedy recovery. The care givers receive aid in providing the same with ease and experience comfort in the work place. The Flooring is also designed for bare foot and continuous wet areas.



RESIDENTIAL



Our exquisite range of vinyl floor coverings in wooden, geometric and all over designs is developed keeping in mind the various tastes of individuals for designing their homes. It is easy to maintain and hassle free installation helps its users to change their interiors as often as desired. Flooring category includes printed flooring for normal economical range and Royal Star, Moonwalk, Majesty, Opera, Symphony, Royal Classic etc.



OFFICES, RETAIL & HOSPITALITY



Where aesthetics meet practicality, our various ranges are designed to meet the growing aesthetics demands of the guests/ customers in offices, retail and hospitality. It also meets the high performance requirement at the same time.



TRANSPORT



Various range of high endurance transport Vinyl Flooring are designed to meet the high Safety standards, provide a hygienic, comfortable and attractive environment to passengers. Pioneers of introducing Vinyl Flooring ranges like Gripper, Suprema RS, Standard RS, Sonata and Ecoplus V of International Standards for the Transport Industry in India.



SYMBOL GUIDE

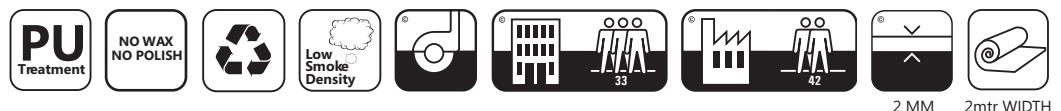
	Body Voltage		Commercial Use		CE Mark
	Thermal Conductivity		Residential Use		SGS Mark
	Fungi & Bacterial Resistance		Industrial Use	R11	Slip rating
	Residual Indentation		Abrasion Resistance	R10	Slip rating
	Dimensional Stability		Total Thickness	R9	Slip Rating
	Reaction to fire		Wear Layer thickness		Plank
	Under Floor Heating		PU Treatment		Tiles
	Sound absorption		Roll Width		Class 34 Commercial very heavy
	Electrical resistance		Roll Length		Class 33 Commercial very heavy
	Slip Resistance		Total Weight		Class 42 Industrial Heavy
	Resistance to chemicals		Castor chair continuous		Class 43 Industrial Heavy
	Flexibility		Light Fastness		Class 22 Residential Use



MIRAKLE

- High Quality Vinyl Resilient flooring in Homogenous Construction
- Anti-bacterial and Anti-Fungal Qualities
- Superior marbeled design in refreshing colors
- Available in tile and roll form in different thickness
- Value for money option for medium to high traffic areas
- Tough and durable with PU (optional) for easy and low cost maintenance





Cool Breeze
MK2351



Blue Sea
MK2352



Red Earth
MK2353



Forest Whisper
MK2354



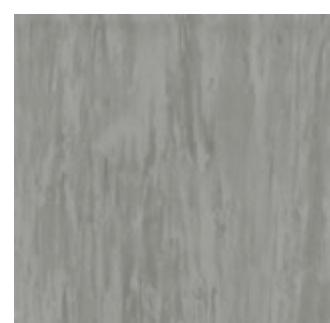
Sunny Sands
MK2355



Stoneware
MK2356



Nimbus Shower
MK2357



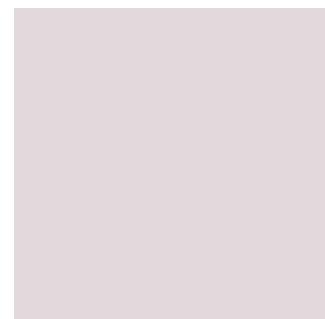
Dusk Cloud
MK2358

Due to limitations of colour printing actual samples may vary slightly from printed shades



WALLY

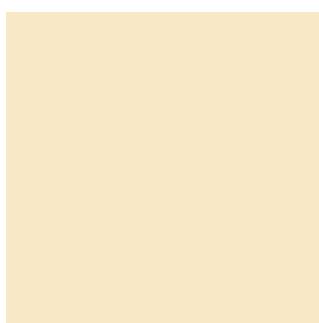
- Easy to clean, install and attractive finish for the Walls
- Excellent barrier to dirt and infection with PU shield
- Ideal for wet and Hygiene critical areas due to Anti-fungal and Anti-bacterial treatment



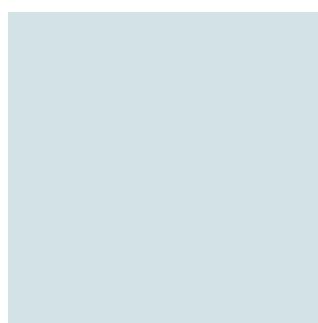
Lilac Dash
WY2395



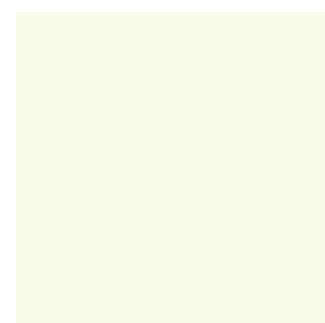
Soft Honey
WY2396



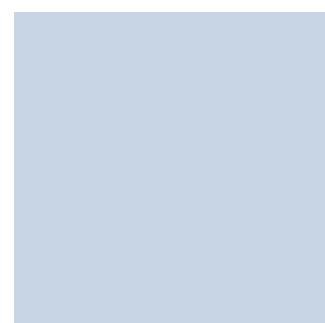
Coral Rocks
WY2397



Aqua Young
WY2398



Snow Blush
WY2399



Calming Blue
WY2400



2 MM
1.5 MM
1 MM



TUFF

- Flexible PVC flooring in light marbeled design
- Available in tile and roll form in different thickness
- Value for money option for low to medium traffic areas



Ivory
TF2070



Ocean Blue
TF2029



Beige
TF2047



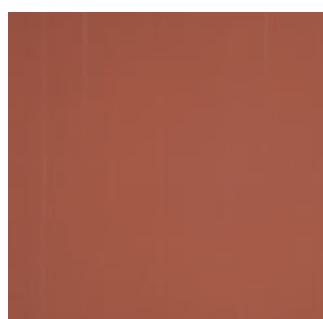
Harvest Green
TF2085



Craft Brown
TF2073



Steel Grey D
TF2074



Copper Gold
TF2084



Slate Grey
TF2078



Wine Red
TF2088



P.O.Red
TF2094

Due to limitations of colour printing actual samples may vary slightly from printed shades

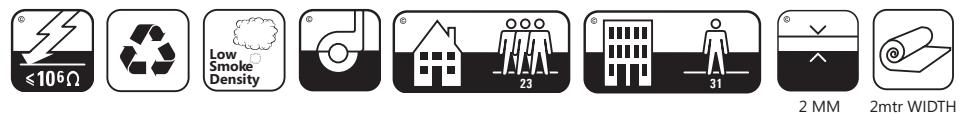


ORBIT



- Antistatic flooring for greater safety in sensitive environments
- Calendered and compacted with permanent anti-static properties
- Ideally suitable for high-tech applications, electronics, telecommunication areas, computer rooms, operating theatres, radiology etc.





2 MM 2mtr WIDTH



Olive Path
AT2653



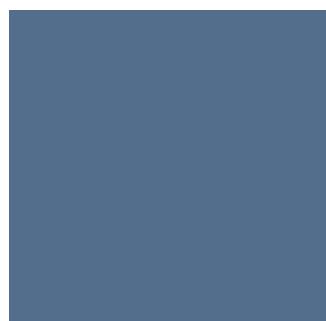
Arabian Sand
AT2655



Hazelnut
AT2654



Grey Matter
AT2652



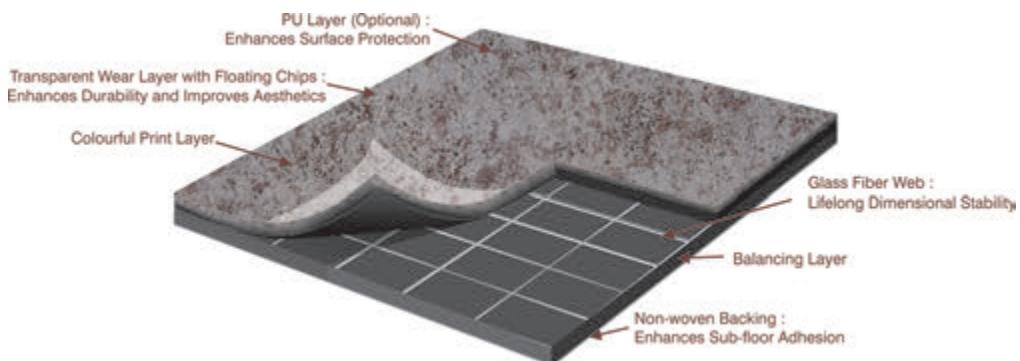
Plain Bliss
AT2651

Due to limitations of colour printing actual samples may vary slightly from printed shades



MOONWALK

- Hardwearing Vinyl Floor covering in overall design
- 0.7 mm pure PVC transparent wear layer with floating decorative chips
- Shades and textures combined to create stunning floor designs
- PU coating (optional) for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability



Golden Ray
MW2311



Sunrise Glory
MW2310



Mercury
MW2309



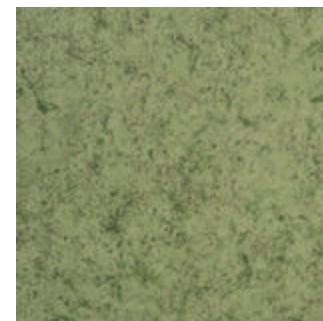
Pearl Star
MW2308



Earthy Clay
MW2307



Copper Moon
MW2306



Neon Light
MW2305



Silver Glaze
MW2304



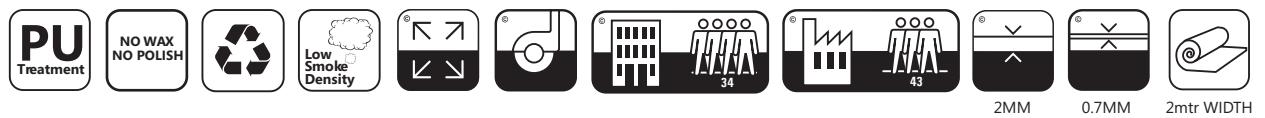
Moon Crater
MW2303



Skyline
MW2302



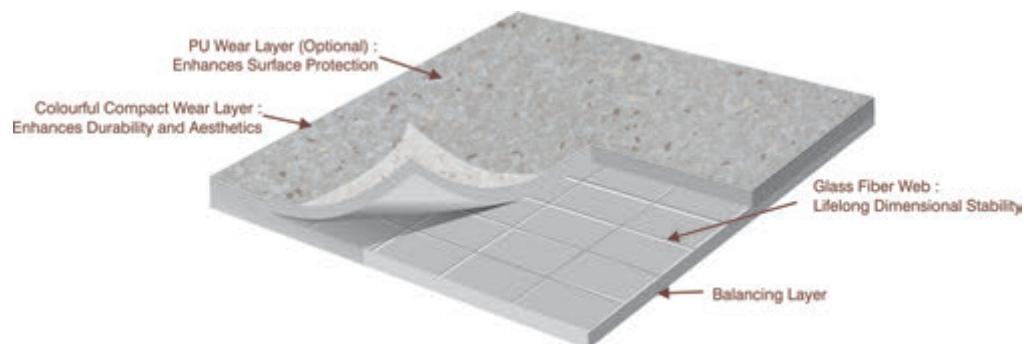
Twilight Zone
MW2301

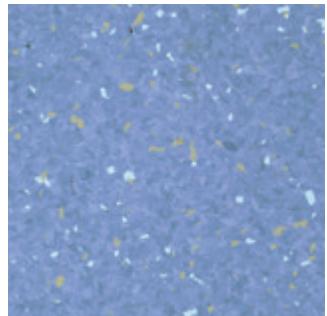




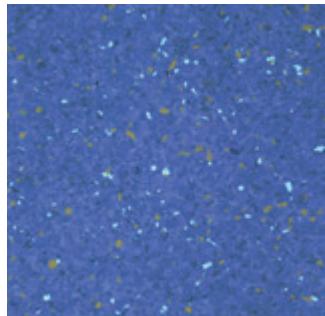
ACCORD

- 1 mm homogenous wear layer with compact sombre color particles throughout the thickness for enhanced durability
- PU coating (optional) for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability





Blue Lagoon
AC2251



Blueberry Rush
AC2252



Icy Chill
AC2253



Thundercloud
AC2254



Swiss Coffee
AC2255



Lime Delight
AC2256



Tango
AC2257



Green Tea
AC2258

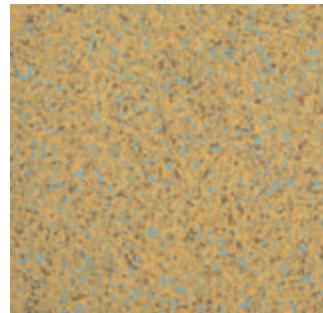
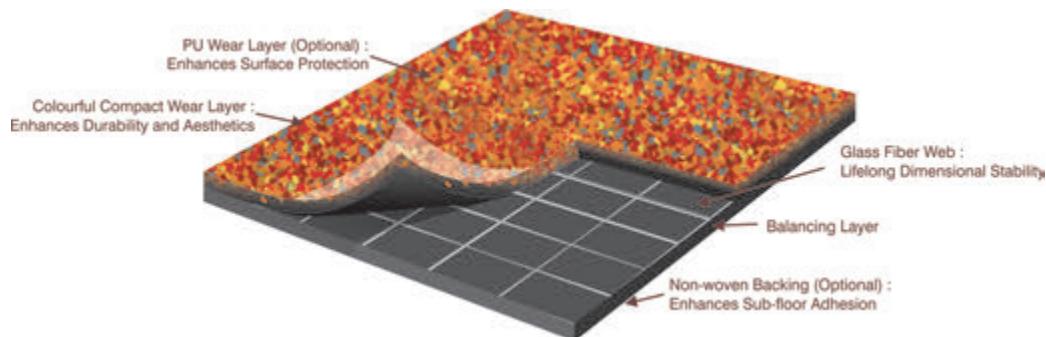


Due to limitations of colour printing actual samples may vary slightly from printed shades



SYMPHONY

- Symphony has a well-orchestrated ensemble of chips that flows in mesmerising patterns
- 1 mm homogenous wear layer with compact vibrant color particles throughout the thickness for enhanced durability
- PU coating (optional) for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability



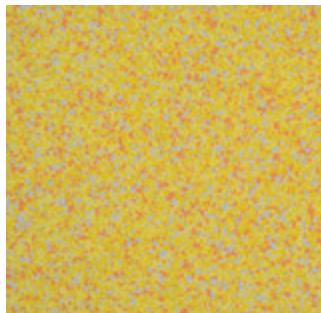
Jonquil
SY2411



Oriental Pearl
SY2412



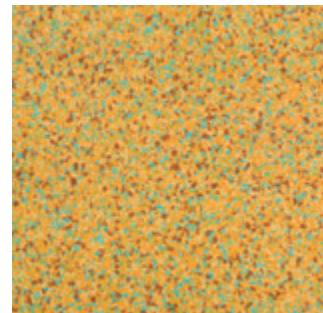
Wander Lust
SY2413



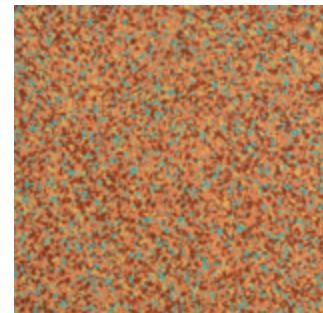
Good Luck
SY2401



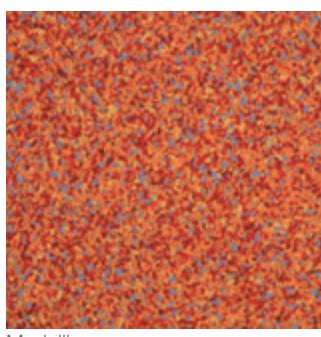
Butterfly
SY2415



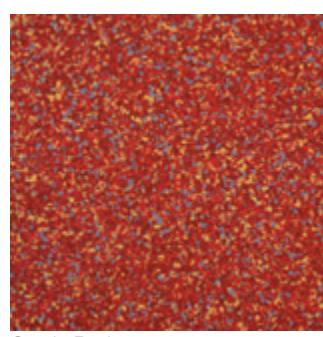
Lion's Mane
SY2402



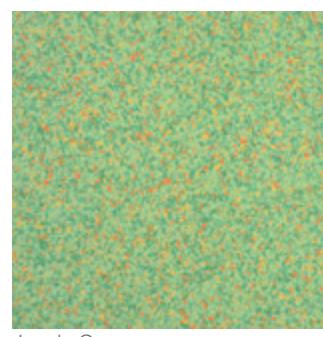
Prosperity
SY2407



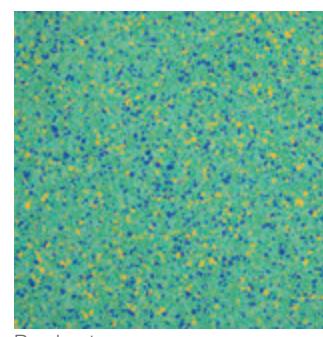
Medallion
SY2410



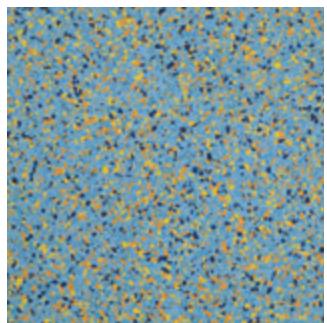
Castle Red
SY2409



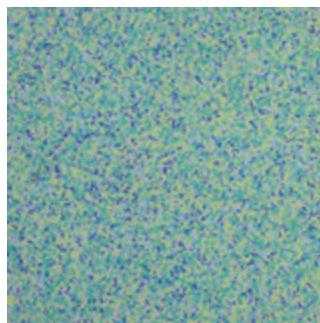
Jungle Green
SY2406



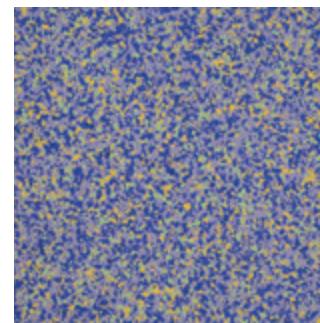
Parakeet
SY2405



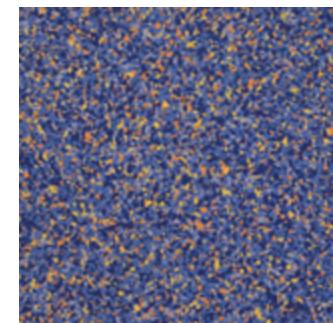
Electric Blue
SY2403



Angelica
SY2408



Blue Chip
SY2414

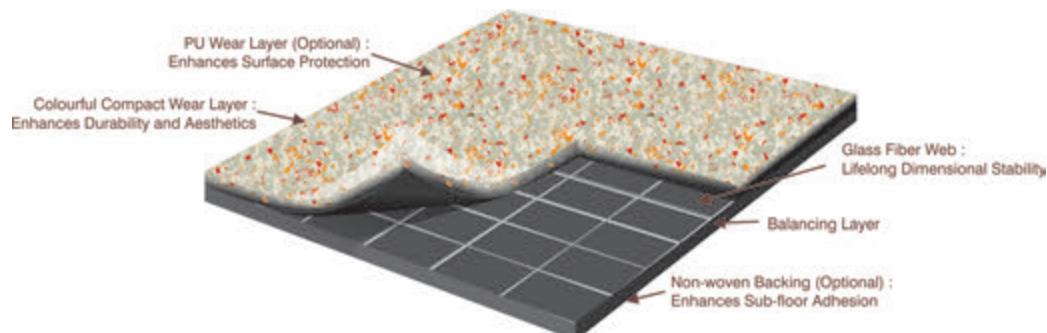


Royalty
SY2404



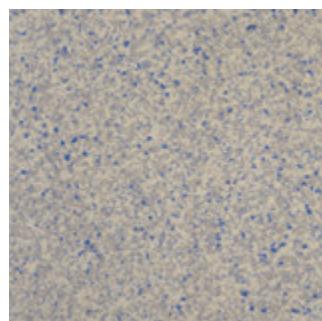
STARTREK

- 1 mm homogenous wear layer with compact sombre color particles throughout the thickness for enhanced durability
- PU coating (optional) for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability





Tiffany
SK2505



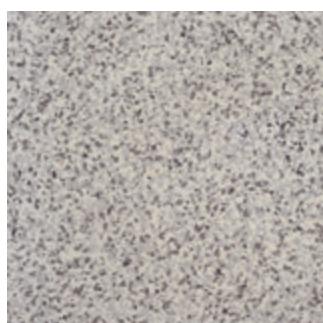
Splash
SK2630



Mocha Mousse
SK2501



Walnut Shell
SK2507



Silver Lining
SK2502



Amazon
SK2506



Sunrise
SK2509



Orange Spark
SK2508

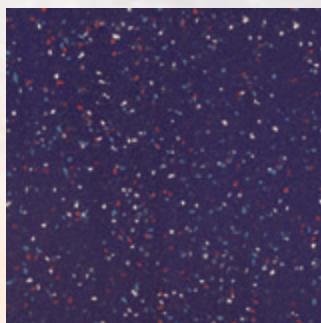
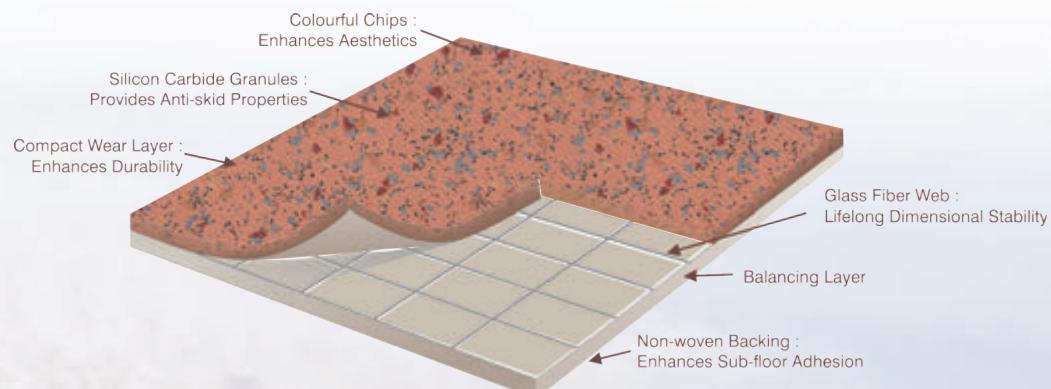
Due to limitations of colour printing actual samples may vary slightly from printed shades



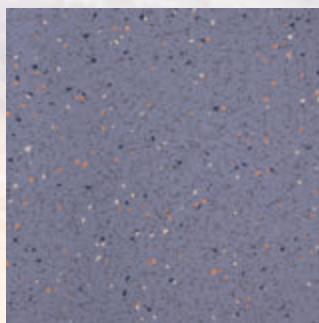
SONATA



- Sonata is the perfect solution for the discerning bus and coach builders and fleet owners who want flooring to be utmost safe yet aesthetically pleasing
- 1 mm homogenous wear layer provides long-life slip resistance with a deep inlay of silicon carbide granules and color chips
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability
- Non-woven backing enhances sub-floor adhesion



Navy Blue
ST2032



Light Blue
ST2152



Alert Yellow
ST2011

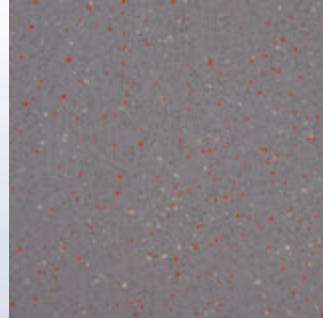


Earthen Brown
ST2151

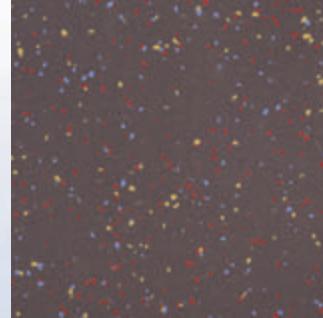




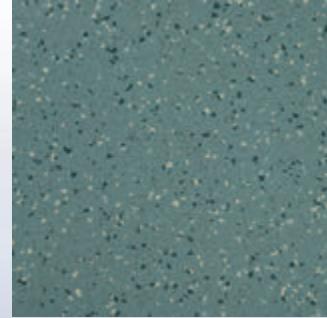
Korunde Grey
ST2201



Grey
ST2002



Dark Grey
ST2147



Green
ST2041



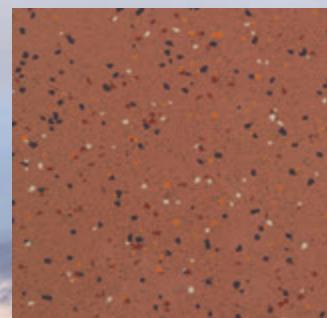
Beige
ST2047



Rustic Brown
ST3000



Craft Brown
ST2073

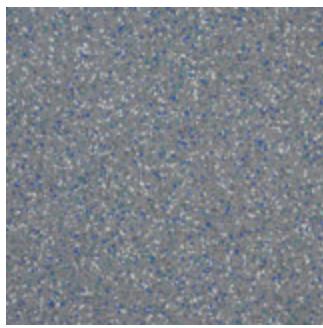


Terracotta
ST2957

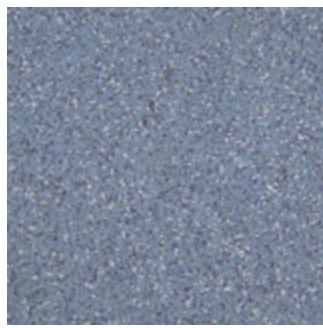


Due to limitations of colour printing actual samples may vary slightly from printed shades

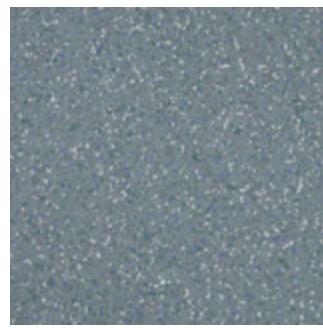




Electricity
RU2621



Blue Pottery
RU2620



Tidal Wave
RU2626

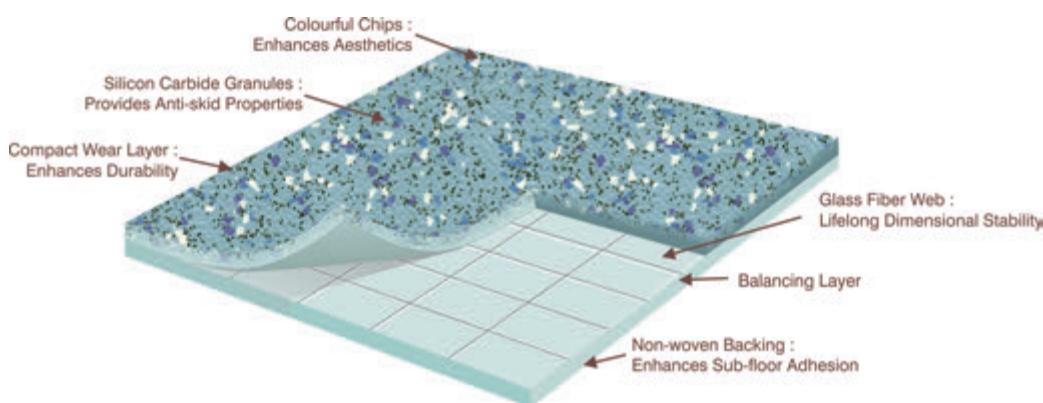


Mystic Green
RU2624

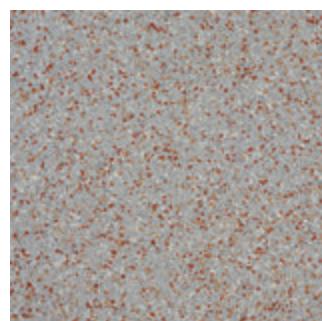


SUPREMA RS

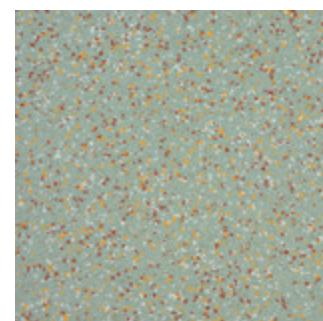
- 1 mm homogenous wear layer provides long-life slip resistance with a deep inlay of silicon carbide granules and color chips
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability
- Non-woven backing enhances sub-floor adhesion



Pink Embrace
RU2625



Ice Grey
RU2627



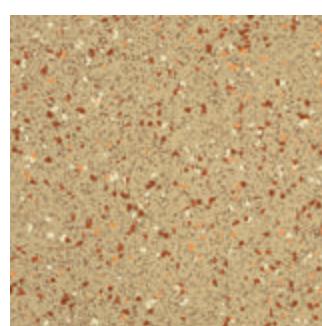
Grazing Land
RU2629



Splash
RU2630



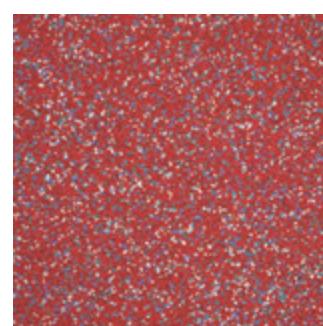
Weathered White
RU2623



Silk Route
RU2622



Roman Clay
RU2628



Crimson Depth
RU2150

Due to limitations of colour printing actual samples may vary slightly from printed shades



Indian Earth
RD2606



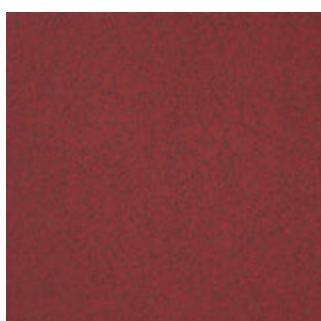
Beige
RD2601



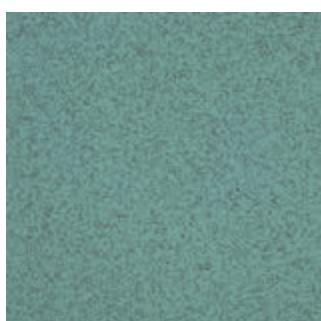
Peach Sky
RD2605



Terracotta
RD2612



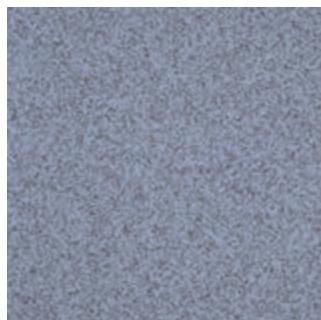
Maroon
RD2608



Ocean Breeze
RD2611



Rainforest
RD2610



Winter Sea
RD2602



Winter Moon
RD2609



Silver Sand
RD2604

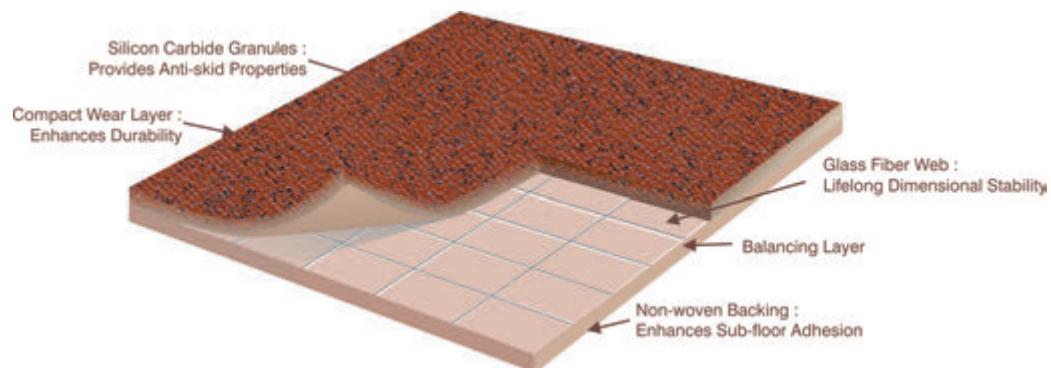


Lighting Sky
RD2603



STANDARD RS

- 1 mm homogenous wear layer provides long-life slip resistance with a deep inlay of silicon carbide granules
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability
- Non-woven backing enhances sub-floor adhesion (optional)

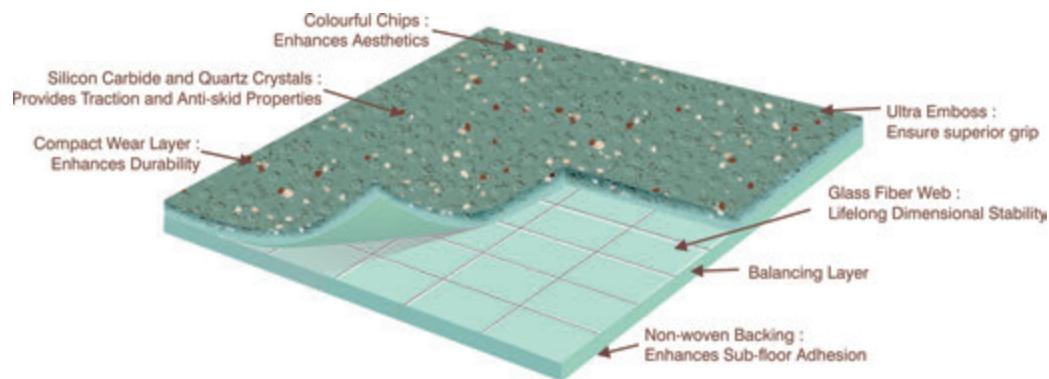


Due to limitations of colour printing actual samples may vary slightly from printed shades

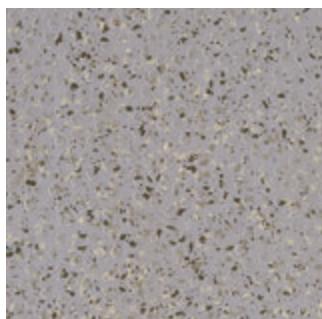


AQUA RS

- Designed for barefoot and continuous wet areas
- 1 mm homogenous Aqua pressure embossed wear layer provides R11 Antislip properties with a deep inlay of silicon carbide granules, quartz and colourful chips
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability
- Non-woven backing enhances sub-floor adhesion
(optional for non wet area application)



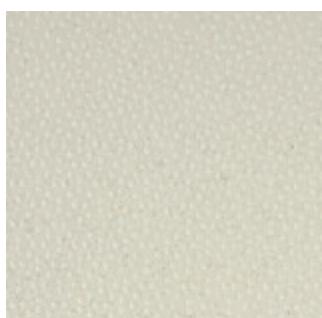
Due to limitations of colour printing actual samples may vary slightly from printed shades



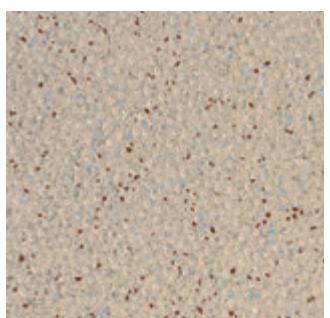
Water Vapour
RQ2640



Deep Dive
RQ2641



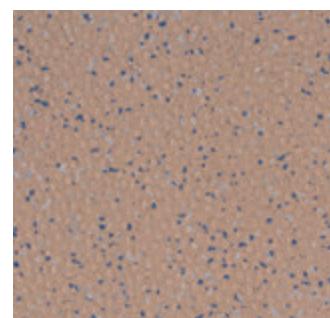
Ice Berg
RQ2642



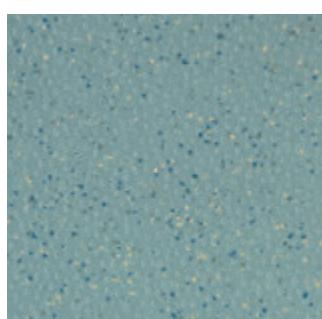
Grainy Sand
RQ2644



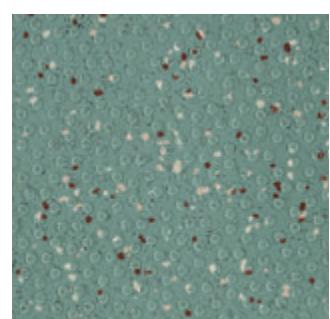
Sea Bed
RQ2643



African Desert
RQ2648



Rainfall
RQ2646

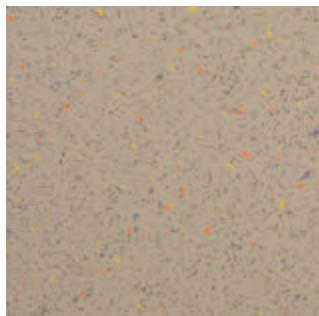
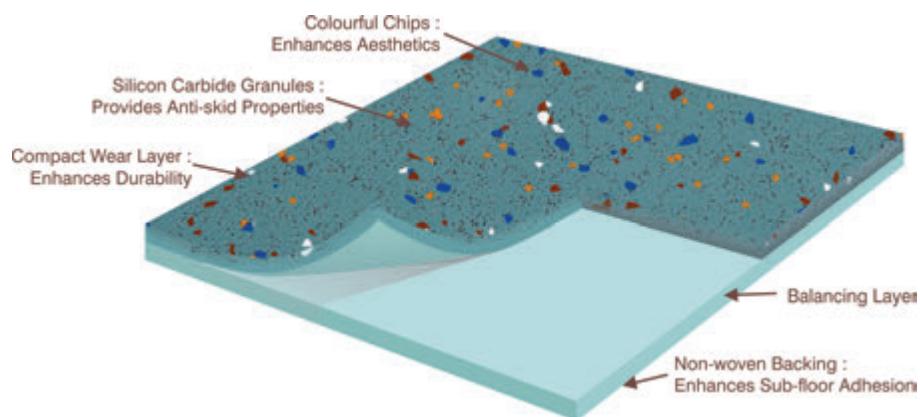


Forest Canopy
RQ2647



ECO PLUS V

- Ecoplus V is a Value for money transport flooring option with 500 microns wear layer with silicon carbide granules for slip resistance and colourful chips for better aesthetics
- Excellent resistance to scratches, abrasion, soiling and staining
- Non-woven backing enhances sub-floor adhesion



Beige
EV2047



Craft Brown
EV2073



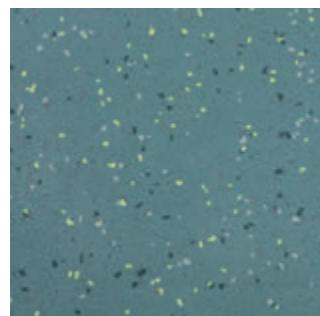
Earthen Brown
EV2151



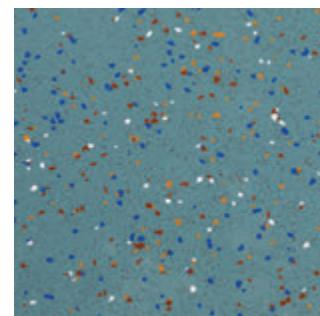
Korunde Rustic Brown
EV2703



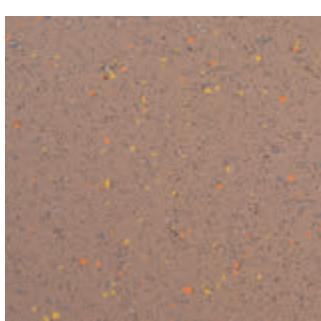
Korunde Green
EV2707



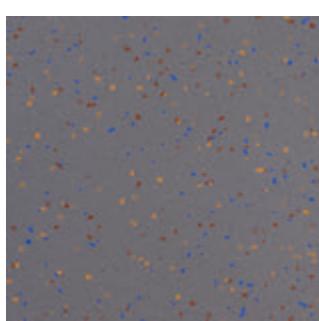
Green
EV2041



Emerald Green
EV2705



Rustic Brown
EV3000



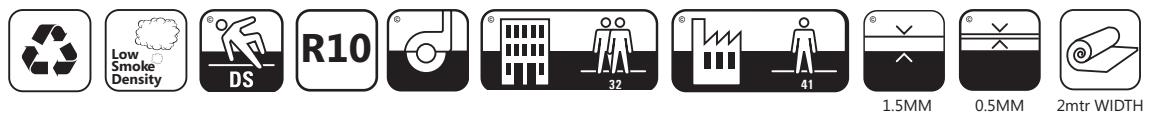
Horizon Grey
EV2704



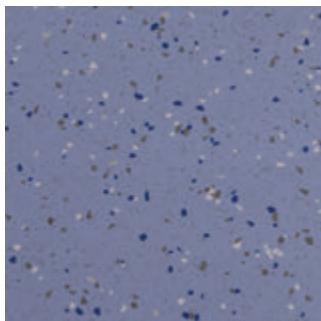
Rain Cloud
EV2701



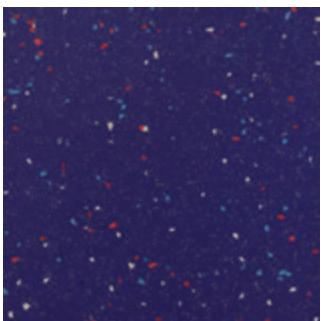
Korunde Grey
EV2201



Korunde Blue
EV2203



Scuba Blue
EV2702



Navy Blue
EV2032



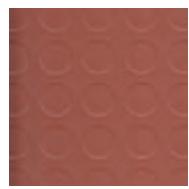


GRIPPER

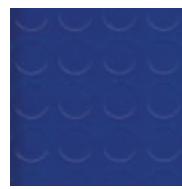
- Anti-skid Vinyl Flooring option suitable for bus application, Airports, Floor mats for automobiles etc.
- Various emboss options such as Stud, Chequered, Ultra, Diamond and Football
- Available in various color options to match the various interiors
- Non woven polyester (Optional) backing qualities also available



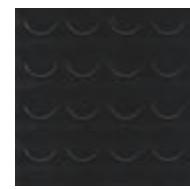
Stud Green
KD2041



Brick Gold
KD2099



Stud Blue
KD2010



Stud Black
KD2051



Stud Yellow
KD2011



Light Grey
KD2038



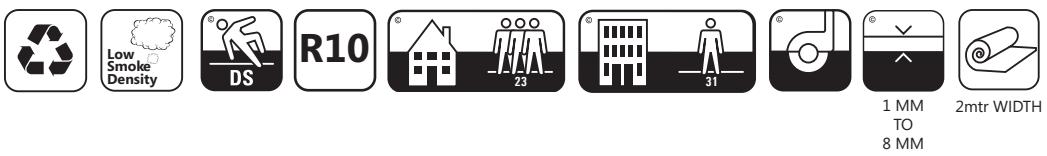
Stud White
KD2001



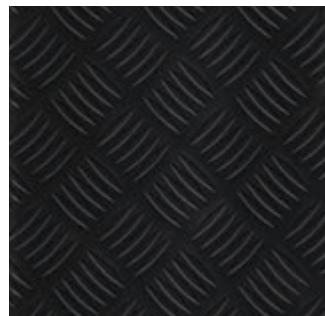
Stud Ocean Blue
KD2029



Stud Dark Grey
KD2147



For more colour option in each emboss kindly contact



Stud Korunde Grey
GD2201



Stud Terracotta
GD2957



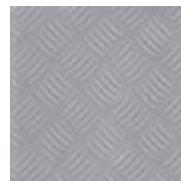
Stud Ocean Blue
GD2202



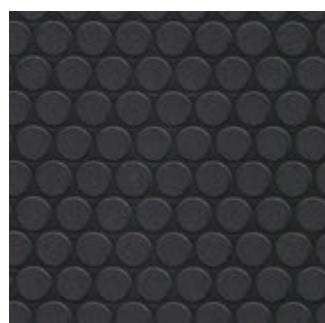
Stud Blue
GD2203



Stud Dark Grey
GD2204



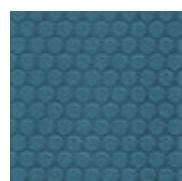
Light Grey
GD2029



Stud Korunde Grey
GD2201



Stud Terracotta
GD2957



Stud Ocean Blue
GD2202



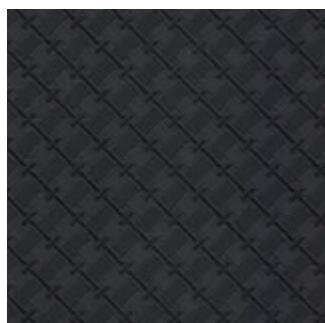
Stud Blue
GD2203



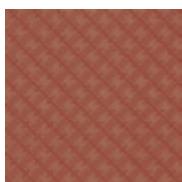
Stud Dark Grey
GD2204



Light Grey
GD2029



Stud Korunde Grey
GD2201



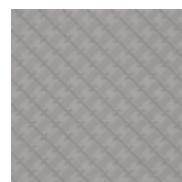
Stud Terracotta
GD2957



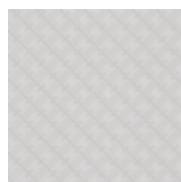
Stud Ocean Blue
GD2202



Stud Blue
GD2203



Light Grey
GD2204



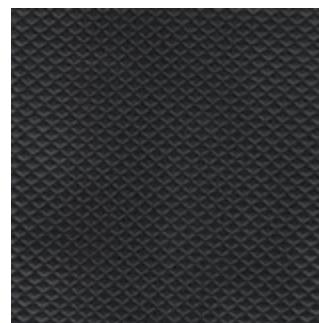
Stud White
GD2029



Ultra Rustic Brown
GU3000



Football Craft Brown
KF2073



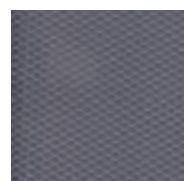
Diamond Black
DA2051



Ultra Grey
GU2204



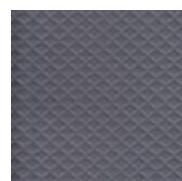
Ultra Terracotta
GU2957v



Football Dark Grey
KF2147



Football Ocean
Blue
KF2147



Diamond Dark
Grey
DA2147



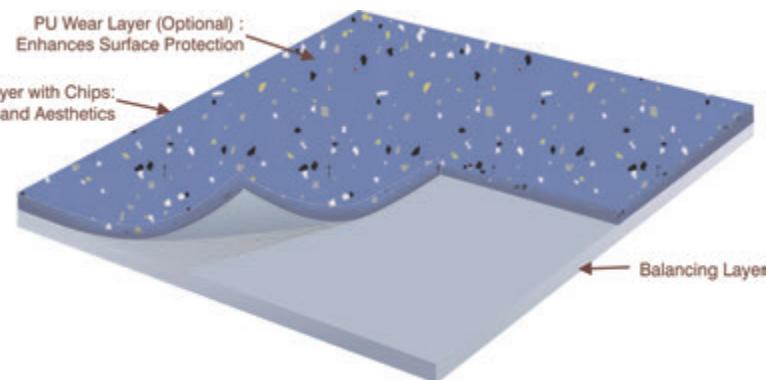
Diamond Ocean
Blue
DA2147

Due to limitations of colour printing actual samples may vary slightly from printed shades



ROYAL STAR

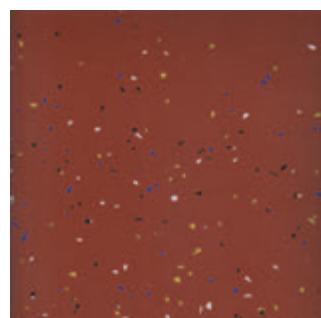
- Colored wear layer with decorative multi-color chips to enhance the room interiors
- Modern designs in exciting colors
- Easy low-cost maintenance (PU optional)



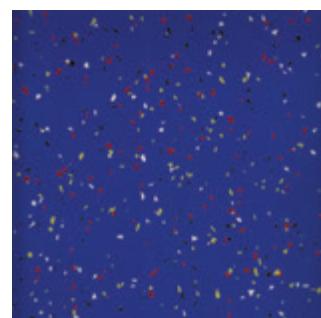
Soft Glow
RS3114



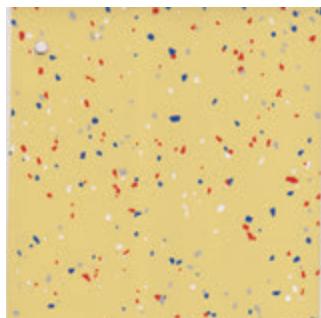
Crimson Red
RS3100



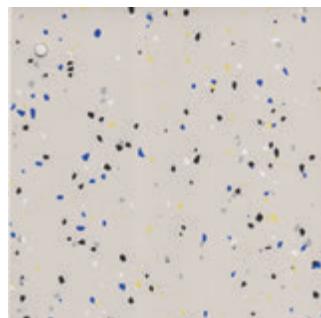
Fire Red
RS3104



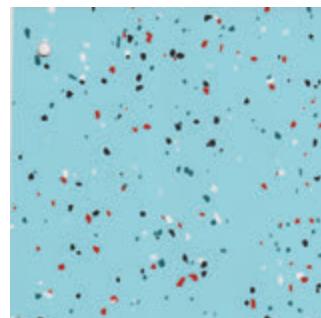
Sapphire
RS3109



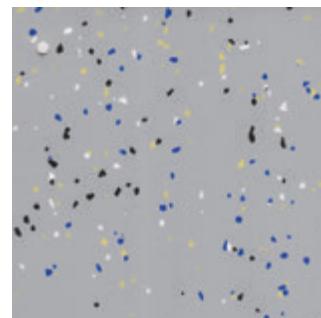
Golden Touch
RS3105



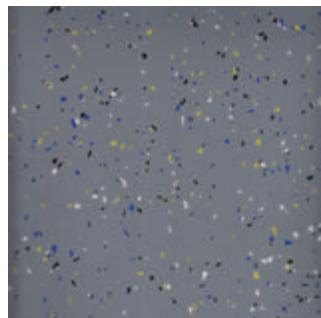
Ivory Coast
RS3112



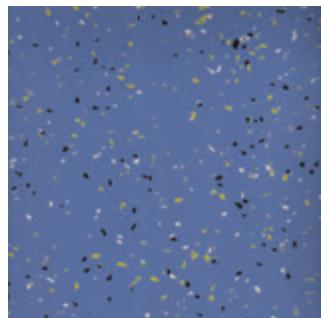
Water Rapids
RS3116



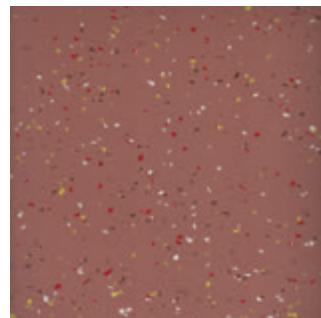
Silver Sand
RS3107



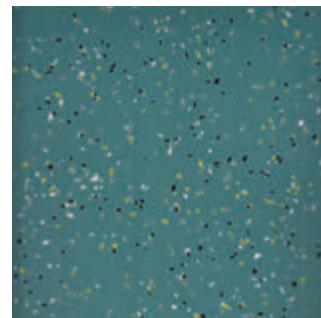
Classic Grey
RS3108



Blue Water
RS3110



Volcano
RS3103



Sea Green
RS3102

Due to limitations of colour printing actual samples may vary slightly from printed shades





ELEGANT

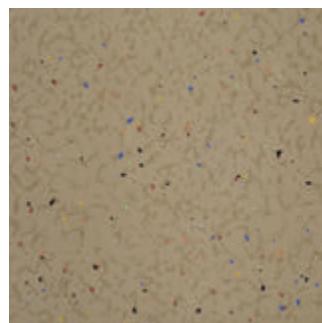
- Printed flooring with floating colourful chips adds elegance to the room décor
- Elegant comes in versatile vibrant colours



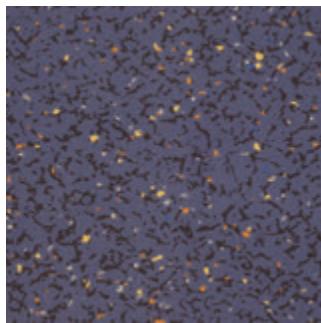
Beige
EG2047



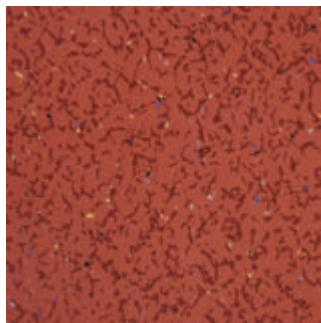
Alert Yellow
EG2011



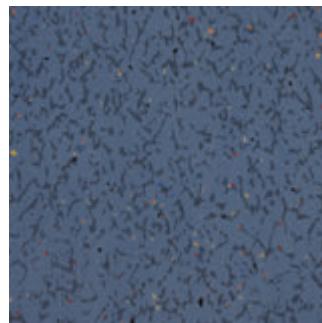
Brown
EG2037



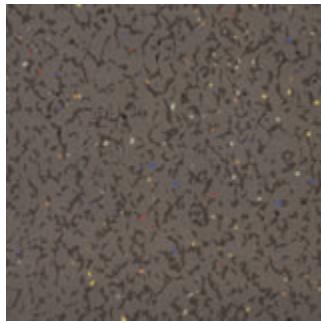
Navy Blue
EG2032



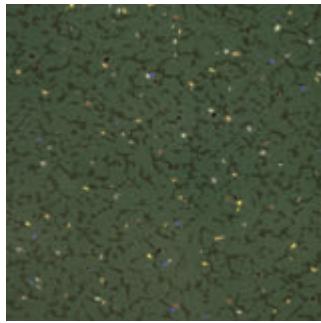
Terracotta
EG2957



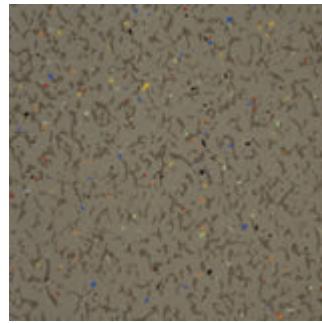
Sky Blue
EG2031



Dark Grey
EG2147



Green
EG2041



Light Grey
EG2958



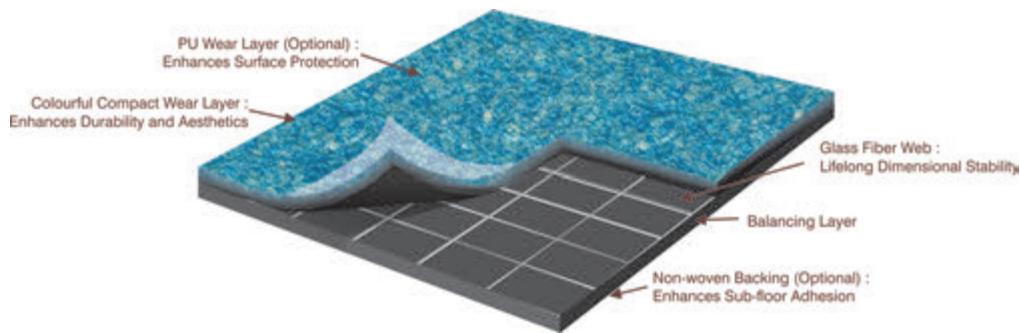


Due to limitations of colour printing actual samples may vary slightly from printed shades



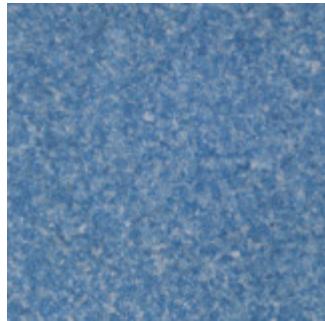
DAZZLE

- 1 mm homogenous wear layer with compact metallic color particles throughout the thickness for enhanced durability
- PU coating (optional) for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining
- Glass fibre scrim for dimensional stability





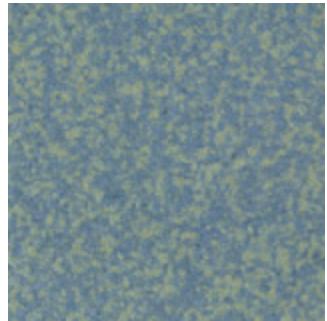
Topaz
DZ2661



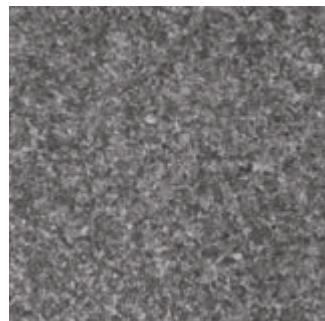
Turquoise
DZ2662



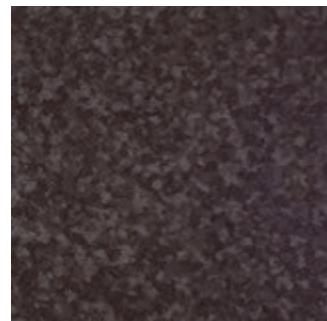
Opal
DZ2663



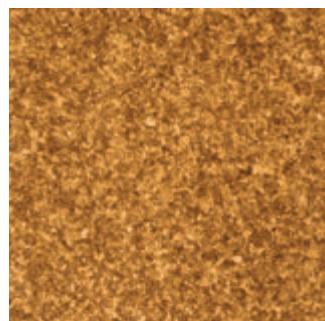
Emerald
DZ2664



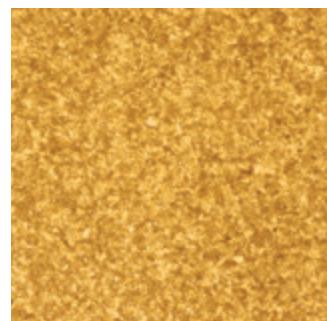
Moonstone
DZ2665



Onyx
DZ2666



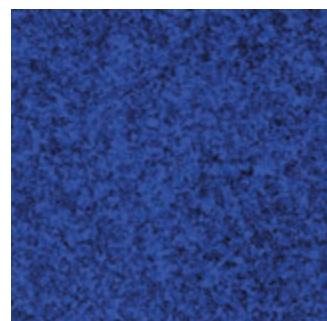
Amber
DZ2667



Citrine
DZ2668



Ruby
DZ2669



Zircon
DZ2670

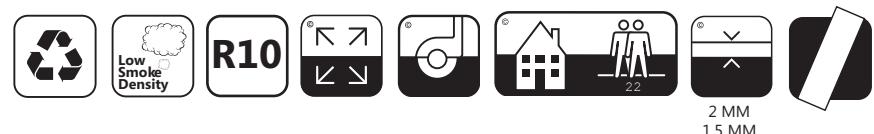
Due to limitations of colour printing actual samples may vary slightly from printed shades



NUPLANK

- Ideal for showrooms, offices, hotel lobbies and leisure environments
- Designer collection of realistic looking wooden patterns and colors accurately replicated in PVC planks
- Available in 2 mm & 1.5 mm thickness and various dimensions





Dimensions: 6" x 36" x 2mm Per Box: 24pcs/ 35.94sqft/ 3.34sqm

Dimensions: 6" x 36" x 1.5mm Per Box: 30pcs/ 45sqft/ 4.18sqm



Aspen

Brown NU361037



Aspen

Brunt Orange NU361039



Aspen

Cream NU361013



Aspen

Dark Beige NU361008



Bartek

Black NU363051



Bartek

Brown NU363037



Bartek

Cream NU363013



Bartek

Maroon NU363026



Bartek

Natural NU363005



Bartek

Rosewood NU363050



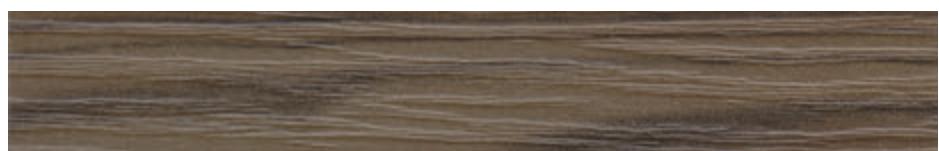
Canary

Cream NU362013



Canary

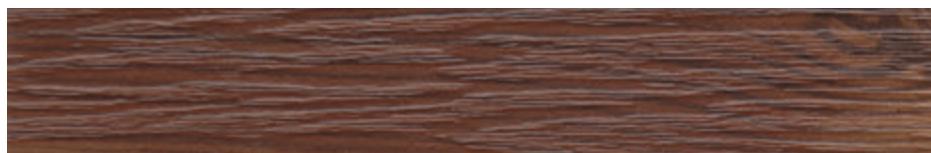
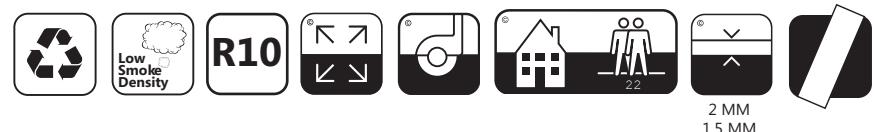
Dark Beige NU362008



Canary

Reddish Brown NU362048





Canary

Rosewood NU362050



Woody

Cream NU364013



Woody

Light Beige NU364004



Woody

Natural NU364005



Woody

Black NU364051

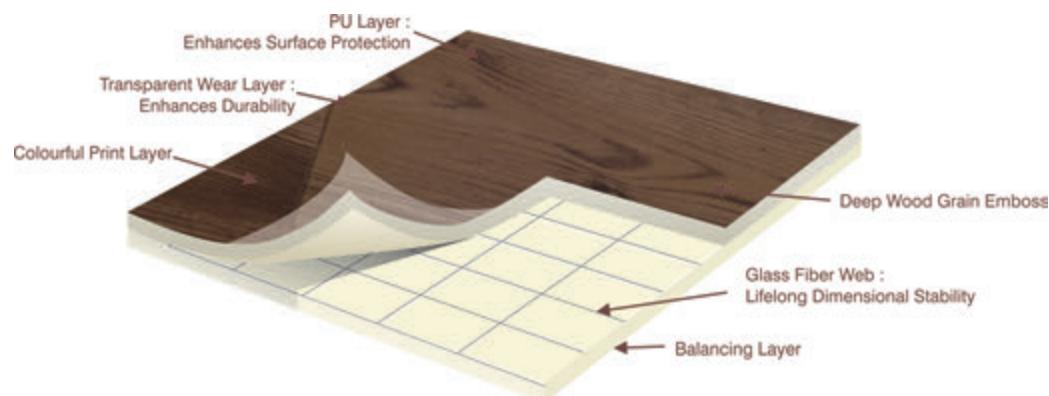


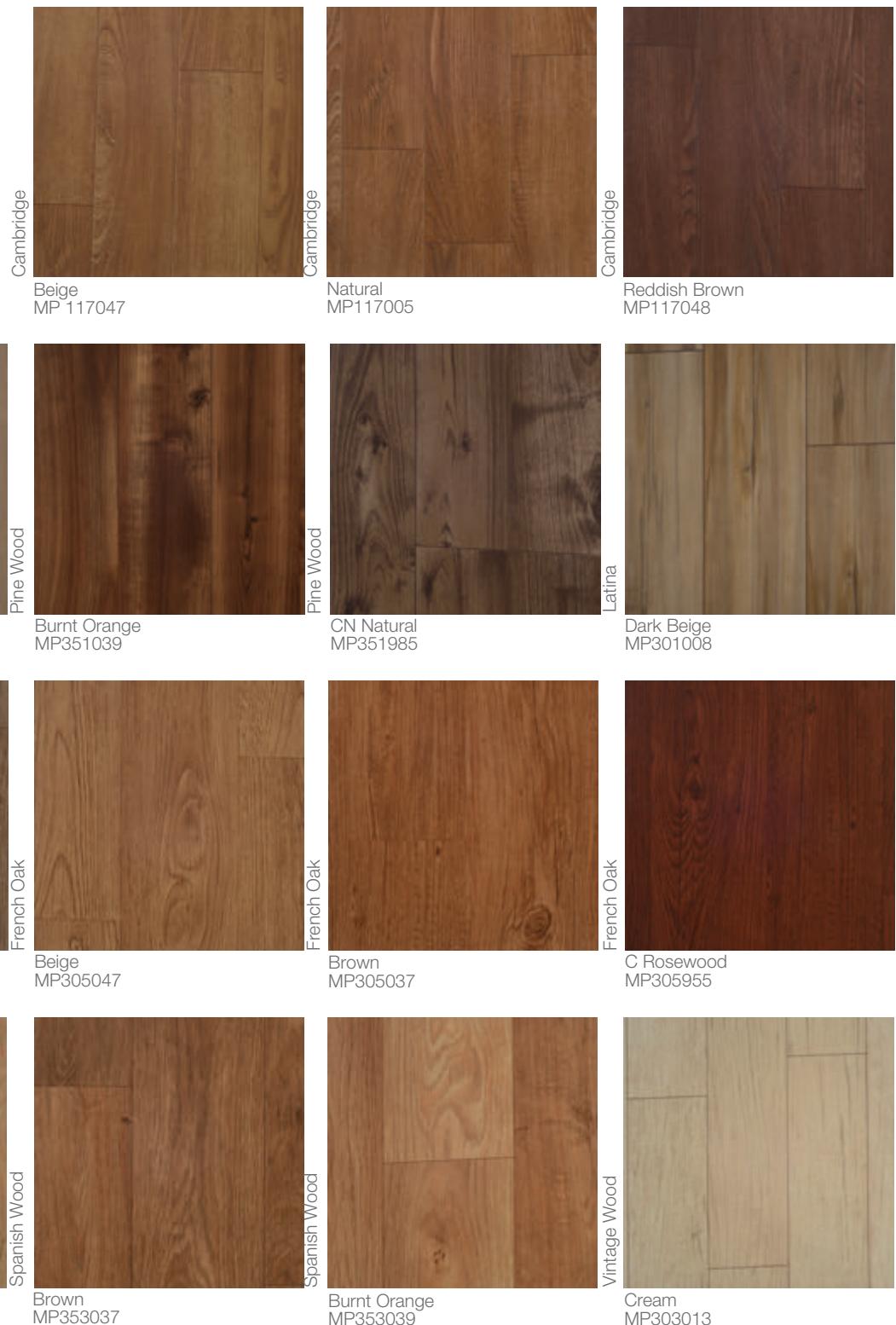
Due to limitations of colour printing actual samples may vary slightly from printed shades



MAJESTY PRO

- Hardwearing Vinyl Floor covering in elegant and realistic wood designs
- 0.7 mm pure PVC transparent wear layer
- PU coating for easy and low cost maintenance
- Excellent resistance to scratches, abrasion, soiling and staining.
- Glass fibre scrim for dimensional stability
- Ideal for domestic and semi-commercial use



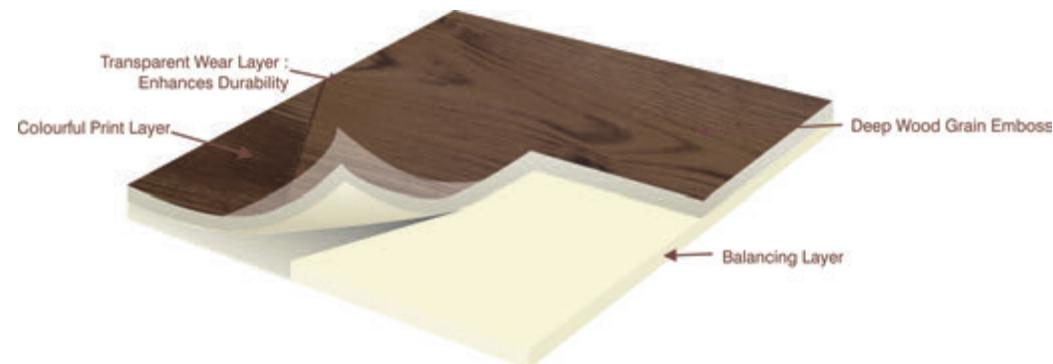


Due to limitations of colour printing actual samples may vary slightly from printed shades



MAJESTY

- Hardwearing Vinyl Floor covering in elegant and realistic wood designs
- Excellent resistance to scratches, abrasion, soiling and staining.
- Ideal for showrooms, hotels and leisure environments





Due to limitations of colour printing actual samples may vary slightly from printed shades



ROYAL CLASSIC

- Designers collection of authentic images and colours accurately reproduced in roll form
- Ideal for hotels, residential and leisure environments



Birch Wood

Rose Wood
RC21050



Birch Wood

Beige
RC21047



Birch Wood

Chrome Yellow
RC21036



Heritage

Beige
RC22047

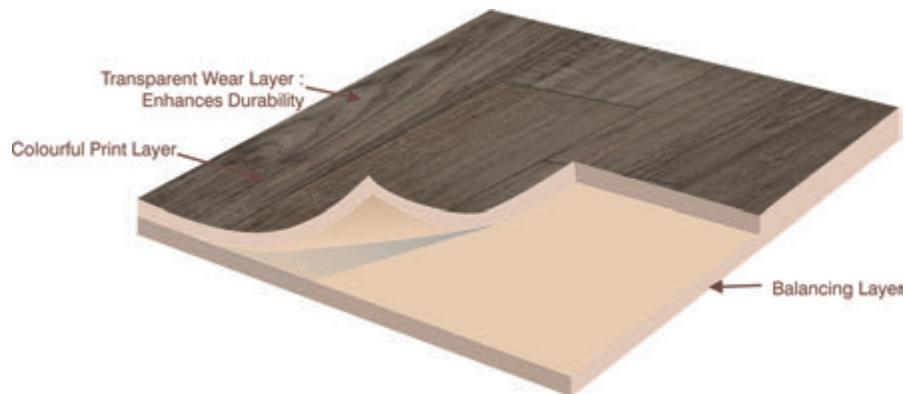


Due to limitations of colour printing actual samples may vary slightly from printed shades



OPERA

- Wooden designs in various attractive colors
- Shades and textures are combined to create stunning floor designs
- Value for money wood designs suited for residential and small shops



Platina Beige
OP307047



Platina Blue
OP307010



Maple Oak
Cream
OP306013



Maple Oak
Natural
OP306005



Maple Oak
Brown
OP306037



Maple Oak
New Natural
OP306985



Due to limitations of colour printing actual samples may vary slightly from printed shades



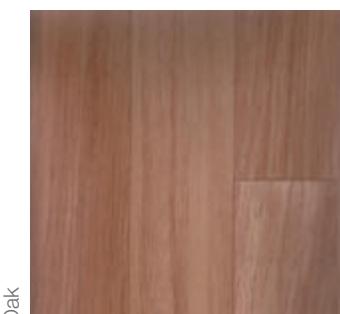
PRINTED FLOORING

- Vast collection of over 300 references
- Designs include Floral, Wooden, Geometric shapes, Stones etc.
- Comes in various thickness ranging 0.40 mm to 0.65 mm

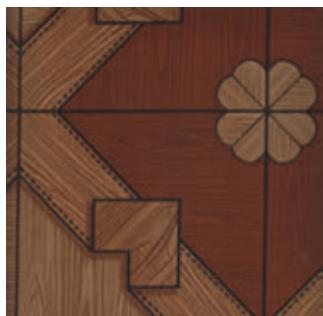
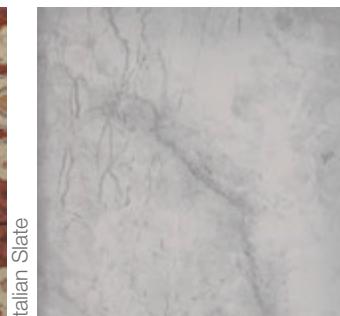
Wood Plank

Beige
PR188047C Brown
PR14979Natural
PR190005Cedar Natural
PR172005

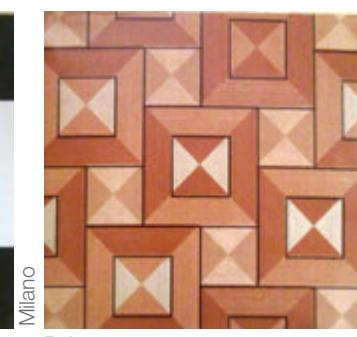
Ginger Oak

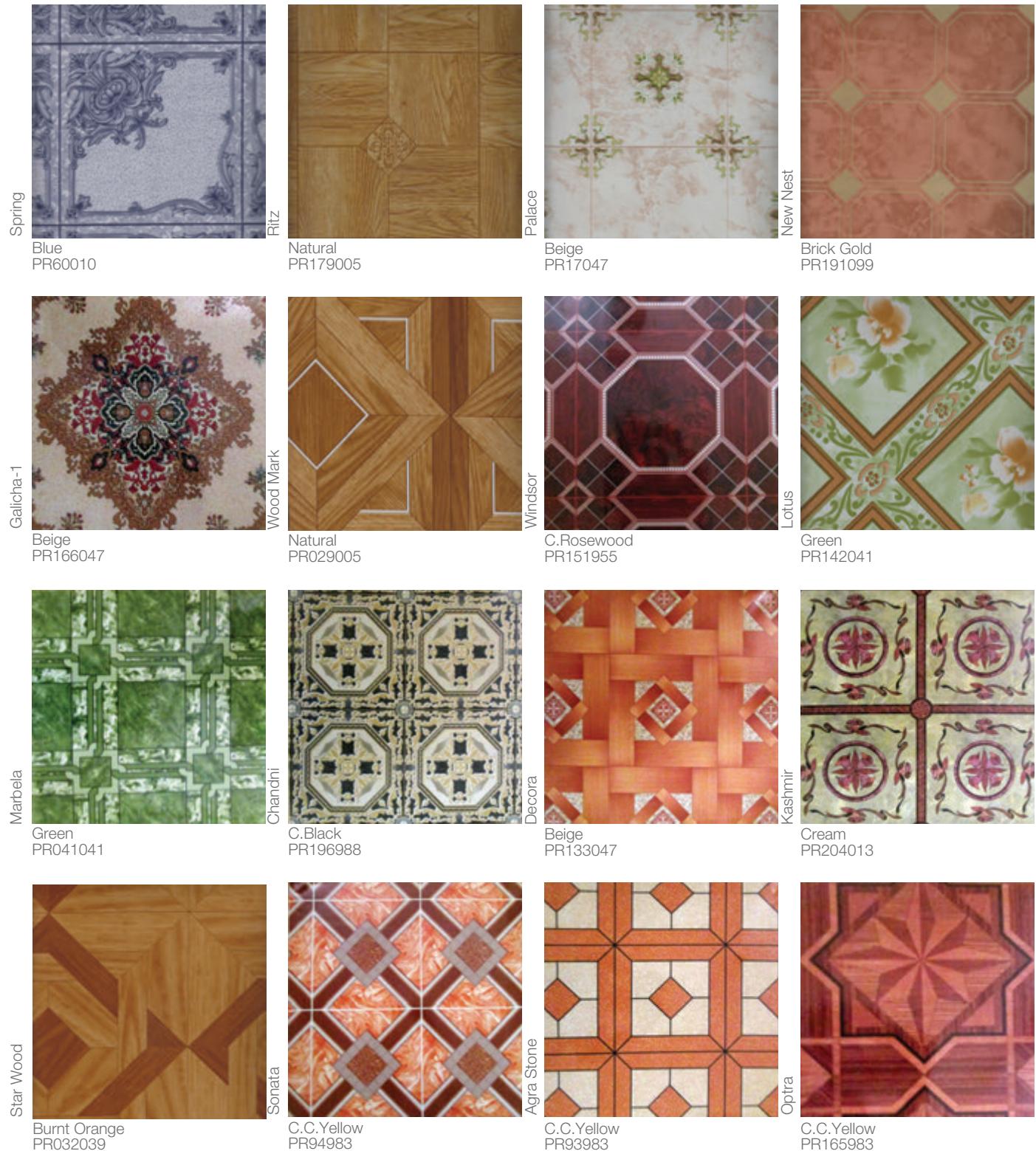
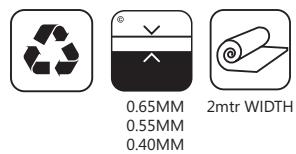
Light Beige
PR198004Light Brown
PR167953C.C.Yellow
PR177983Ligh beige
PR206004

Alpine

C.C.Yellow
PR54983C.C.Yellow
PR192983Grey
PR168002Beige
PR119047

Antik

Grey
PR203002Brown
PR51037Black
PR205051Beige
PR202047



Due to limitations of colour printing actual samples may vary slightly from printed shades

TECHNICAL SPECIFICATIONS

		MIRAKLE	WALLY	TUFF	ORBIT	MOONWALK	ACCORD
Applications							
	Education		■			■	■
	Healthcare & Wet Area		■	■	■	■	■
	Residential					■	■
	Office Retail and Hospitality		■		■	■	■
	Transport						
Classification							
	Commercial / Residential Use	ISO 10874/ EN 685	33		22	23	34
	Industrial Use	ISO 10874/ EN 685	42			31	43
	Abrasion Resistance	EN 660-2	Group T	Group T	Group T	Group T	Group P
Technical Characteristics							
	Total Thickness	ISO 24346/ EN 428	2.0 +/- 0.130 mm	1.0 mm +/- 0.100 mm	2.0 +/- 0.130 mm	2.0 +/- 0.130 mm	2.0 +/- 0.130 mm
	Wear Layer Thickness	ISO 24340/ EN 429	0.550 mm	0.300 mm		0.300 mm	0.700 mm
	PU Treatment		Optional	Yes	No	No	Yes
	Roll Width	ISO 24341/ EN 426	2000 mm	1500 mm	2000 mm	2000 mm	2000 mm
	Roll Length	ISO 24341/ EN 426	± 15 mtr.	± 20 mtr.	± 15 mtr.	± 15 mtr.	± 15 mtr.
	Total Weight	ISO 23997/ EN 430	3.2 kg/m2	1.5 kg/m2	3.3 kg/m2	3.1 kg/m2	3.2 kg/m2
Technical Performances							
	Dimensional Stability	ISO 23999/ EN 434	≤ 0.40 %		≤ 0.40 %	≤ 0.40 %	≤ 0.40 %
	Residual Indentation	ISO 24343-1/ EN 433	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm
	Castor Chair Continuous Use	ISO 4918/EN 425	Suitable		Suitable	Suitable	Suitable
	Light Fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
	Flexibility	ISO 24344/ EN 435	Passes	Passes	Passes	Passes	Passes
	Resistance to Chemicals	ISO 26787/ EN 423	Good resistace	Good resistace	Good resistace	Good re- sistace	Good resistace
	Slip Resistance	DIN 51130	R 9		R 9	R 9	R 9
	Fungi & Bacterial Resistance	EN ISO 846-A/C	Optional	Ok	Optional	Optional	Optional
	Electrical Resistance	EN 1081		1X10 ¹⁰ Ω		≤ 1x 10 ⁶ Ω	
	Sound absorption	ISO- 717/2	5 dB	Approx + 2 dB	5 dB	5 dB	5 dB
	Under Floor Heating	-	Yes	Yes	Yes	Yes	Yes
	Reaction to Fire	EN 1350-1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1
	Body Voltage	EN 1815	≤ 2 kv		≤ 2 kv	≤ 2 kv	≤ 2 kv
	Thermal Conductivity	EN 12524	0.25W/m-K		0.25W/m-K	0.25W/m-K	0.25W/m-K
Product Page Reference Number			06	08	09	10	12
							14

TECHNICAL SPECIFICATIONS

		SYMPHONY	STARTREK	SONATA	SUPREMA RS	STANDARD RS	AQUA RS
Applications							
	Education		■	■			
	Healthcare & Wet Area			■			■
	Residential						
	Office Retail and Hospitality	■	■	■	■	■	■
	Transport			■	■	■	
Classification							
	Commercial / Residential Use	ISO 10874/ EN 685	34	34	34	34	34
	Industrial Use	ISO 10874/ EN 685	43	43	43	43	43
	Abrasion Resistance	EN 660-2	Group P	Group P	Group P	Group P	Group P
Technical Characteristics							
	Total Thickness	ISO 24346/ EN 428	2.0 +/- 0.100 mm	2.0 +/- 0.100 mm	2.0 +/- 0.130 mm	2.0 +/- 0.100 mm	2.0 +/- 0.100 mm
	Wear Layer Thickness	ISO 24340/ EN 429	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm
	PU Treatment	...	Optional	Optional	No	No	No
	Roll Width	ISO 24341/ EN 426	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
	Roll Length	ISO 24341/ EN 426	± 15 mtr.	± 15 mtr.	± 15 mtr.	± 20 mtr.	± 20 mtr.
	Total Weight	ISO 23997/ EN 430	3.2 kg/m2	3.2 kg/m2	2.8 kg/m2	2.8 kg/m2	2.8 kg/m2
Technical Performances							
	Dimensional Stability	ISO 23999/ EN 434	≤ 0.40 %	≤ 0.40 %	≤ 0.25 %	≤ 0.40 %	≤ 0.40 %
	Residual Indentation	ISO 24343-1/ EN 433	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm
	Castor Chair Continuous Use	ISO 4918/EN 425	Suitable	Suitable	Suitable	Suitable	Suitable
	Light Fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
	Flexibility	ISO 24344/ EN 435	Passes	Passes	Passes	Passes	Passes
	Resistance to Chemicals	ISO 26787/ EN 423	Good resistace	Good resistace	Good resistace	Good resistace	Good resistace
	Slip Resistance	DIN 51130	R 9	R 9	R 10	R 10	R 11
	Fungi & Bacterial Resistance	EN ISO 846- A/C					
	Electrical Resistance	EN 1081					
	Sound absorption	ISO- 717/2	5 dB	5 dB	5 dB	5 dB	5 dB
	Under Floor Heating	-	Yes	Yes	Yes	Yes	Yes
	Reaction to Fire	EN 1350-1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1
	Body Voltage	EN 1815	≤ 2 kv	≤ 2 kv	≤ 2 kv	≤ 2 kv	≤ 2 kv
	Thermal Conductivity	EN 12524	0.25W/m-K	0.25W/m-K	0.25W/m-K	0.25W/m-K	0.25W/m-K
Product Page Reference Number			16	18	20	22	24
							26

TECHNICAL SPECIFICATIONS

		ECO-PLUS V	GRIpper	ROYAL STAR	ELEGANT	DAZZLE	NUPLANK
Applications							
Education				■	■	■	■
Healthcare & Wet Area				■		■	■
Residential				■	■	■	■
Office Retail and Hospitality		■		■	■	■	■
Transport		■	■				
Classification							
Commercial / Residential Use		ISO 10874/ EN 685	32	23	23	32	34
Industrial Use		ISO 10874/ EN 685	41	31	31	41	43
Abrasion Resistance		EN 660-2	Group P	Group T	Group T	Group P	Group T
Technical Characteristics							
Total Thickness		ISO 24346/ EN 428	1.5 +/- 0.100 mm	1.5 +/- 0.100 mm	2.0 +/- 0.130 mm	1.5 +/- 0.130 mm	2.0 +/- 0.130 mm
Wear Layer Thickness		ISO 24340/ EN 429	0.500 mm	0.300 mm	0.350 mm	0.400 mm	1.0 mm
PU Treatment		...	No	No	No	Optional	Optional
Roll Width		ISO 24341/ EN 426	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
Roll Length		ISO 24341/ EN 426	± 15 mtr.	± 15 mtr.	± 15 mtr.	± 15 mtr.	± 15 mtr.
Total Weight		ISO 23997/ EN 430	2.5 kg/m2	2.6 kg/m2	3.5 kg/m2	2.45 kg/m2	3.0 kg/m2
Technical Performances							
Dimensional Stability		ISO 23999/ EN 434	≤ 0.40 %	≤ 0.40 %	≤ 0.40 %	≤ 0.40 %	≤ 0.40 %
Residual Indentation		ISO 24343-1/ EN 433	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm
Castor Chair Continuous Use		ISO 4918/EN 425	Suitable	Suitable	Suitable	Suitable	Suitable
Light Fastness		ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Flexibility		ISO 24344/ EN 435	Passes	Passes	Passes	Passes	Passes
Resistance to Chemicals		ISO 26787/ EN 423	Good re-sistace	Good resistace	Good resistace	Good resistace	Good resistace
Slip Resistance		DIN 51130	R 10	R 10	R 9	R 9	R 9
Fungi & Bacterial Resistance		EN ISO 846-A/C		Optional		Optional	
Electrical Resistance		EN 1081					
Sound absorption		ISO- 717/2	5 dB	5 dB	5 dB	5 dB	5 dB
Under Floor Heating		-	Yes	Yes	Yes	Yes	Yes
Reaction to Fire		EN 1350-1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1
Body Voltage		EN 1815	≤ 2 kv	≤ 2 kv	≤ 2 kv	≤ 2 kv	≤ 2 kv
Thermal Conductivity		EN 12524	0.25W/m-K	0.25W/m-K	0.25W/m-K	0.25W/m-K	0.25W/m-K
Product Page Reference Number			28	30	32	34	36
							38

		MAJESTY PRO	MAJESTY	ROYAL CLASSIC	OPERA	PRINTED FLOORING
	Applications					
	Education					
	Healthcare & Wet Area					
	Residential		■	■	■	■
	Office Retail and Hospitality		■		■	
	Transport					
	Classification					
	Commercial / Residential Use	ISO 10874/ EN 685	34	22	22	21
	Industrial Use	ISO 10874/ EN 685	43			
	Abrasion Resistance	EN 660-2	Group T	Group T	Group T	
	Technical Characteristics					
	Total Thickness	ISO 24346/ EN 428	2.0 +/- 0.130 mm	1.6 +/- 0.130 mm	1.3 +/- 0.130 mm	1.0 +/- 0.100 mm
	Wear Layer Thickness	ISO 24340/ EN 429	0.700 mm	0.200 mm	0.150 mm	0.125 mm
	PU Treatment	...	Yes	No	No	No
	Roll Width	ISO 24341/ EN 426	2000 mm	2000 mm	2000 mm	2000 mm
	Roll Length	ISO 24341/ EN 426	± 15 mtr.	± 20 mtr.	± 20 mtr.	± 30 mtr.
	Total Weight	ISO 23997/ EN 430	3.4 kg/m²	2.7 kg/m²	2.2 kg/m²	1.7 kg/m²
	Technical Performances					
	Dimensional Stability	ISO 23999/ EN 434	≤ 0.40 %			
	Residual Indentation	ISO 24343-1/ EN 433	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	≤ 0.10 mm
	Castor Chair Continuous Use	ISO 4918/EN 425	Suitable	Suitable	Suitable	Suitable
	Light Fastness	ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6
	Flexibility	ISO 24344/ EN 435	Passes	Passes	Passes	Passes
	Resistance to Chemicals	ISO 26787/ EN 423	Good resistace	Good resistace	Good resistace	Good resistace
	Slip Resistance	DIN 51130	R 10	R 10	R 9	R 9
	Fungi & Bacterial Resistance	EN ISO 846-A/C				
	Electrical Resistance	EN 1081				
	Sound absorption	ISO- 717/2	5 dB	5 dB	5 dB	5 dB
	Under Floor Heating	-	Yes	Yes	Yes	Yes
	Reaction to Fire	EN 1350-1	B fl-s 1	B fl-s 1	B fl-s 1	B fl-s 1
	Body Voltage	EN 1815	≤ 2 kv	≤ 2 kv	≤ 2 kv	≤ 2 kv
	Thermal Conductivity	EN 12524	0.25W/m-K	0.25W/m-K	0.25W/m-K	0.25W/m-K
	Product Page Reference Number		42	44	46	48
						50

INSTALLATION PROCEDURES FOR RESILIENT VINYL FLOORING

A) Before Installation

Firstly ensure you have the necessary tools including:

- A sharp knife (hooked blade is generally safer than a straight blade for long cuts)
- A soft brush
- A long metal ruler or straight edge
- A tape measure

Before installation, it is ideal if the floor can be laid flat and left for 48 hours at a room temperature of +25°C. This will make the floor more flexible and easier to handle.

B) The Subfloor and its preparation

Imperfections in the subfloor will affect the final appearance and performance of Vinyl flooring. Basic requirements:

• For ALL floors

Subfloors must be uniformly levelled, clean and free from grit, dust, grease, oil, polish, old adhesive and paint. It is essential that the subfloor is dry. Dampness can cause discolouration to the flooring. Damp floors will also not allow the floor covering to paste properly on the floors and the adhesion will not be strong, which will also effect life of the floor covering.

• For concrete floors

Use a leveling compound if the surface is uneven, rough or cracked. It is usual to apply 3-6mm of leveling compound to produce the desired level of smoothness. Many leveling compounds can also be found in DIY stores and hardware stores across the globe, which are good for use with Vinyl Flooring.

• Quarry or Ceramic tiles

Follow the basic requirements above for concrete floors. Any loose or broken tiles should be removed and the floor patched with a suitable concrete batch before using a latex leveling compound to fill the joints between the tiles to create a smooth surface.

• Existing smooth flooring

Remove all existing vinyl, linoleum, cork flooring and adhesive residual if any. Floor should be properly cleaned of dirt and grit and should be dry.

C) Applying Adhesive and Installing the Floor

1. Lay the floor in position
2. Fold back half of the floor.
3. Using a notched trowel, apply adhesive to the subfloor
4. Let the adhesive sit according to instruction. The “open time” will allow the adhesive to achieve its best hold.

We recommend Black/ Dk.Brown colour solvent based glue which is manufactured by Pidilite India. This solvent based glue works as contact cement and has to be applied on the subfloor and on the bottom layer of the PVC flooring also. This application should be very uniform. After the application of glue it is required to leave adhesive to dry for a few minutes before pasting on the subfloor. However, a white colour acrylic and water based glue which is used in most of the countries is also good for use and unlike contact cement should be applied only on the subfloor.

5. Carefully lay the floor back in place and press firmly
6. Repeat steps 1-5 for the other half of the floor. Clean excess adhesive from your vinyl
7. Roll the new floor from inside to outside with a flooring roller to finish bonding the vinyl to the subfloor. Roll firmly over the entire floor.
8. Replace moulding. Plane the door if necessary and re-hang.
9. Clean any adhesive residue left on the floor, but do not wash the floor for 3 days (or whatever the manufacturer recommends). Excessive moisture at this time can affect the adhesive bond.
10. Do not use the floor for 48 hours after installation. The adhesive needs this time to dry and bond.
11. After 48 hours, return furniture. A sheet of plywood can be placed on floor to roll or slide large objects. Moving furniture and appliances back into place is the most common cause of damage to new flooring.

D) Thermo Welding

Company highly recommends to thermo weld joints of the rolls. This is done by using Hot Air Gun and Welding Cords. The Welding Cords are supplied by the company.

Procedure is as follows:-

- The joint area of laid floor is slightly grooved to accommodate approx. $\frac{3}{4}$ diameter of the Welding Cord.
- The Welding Cord is then slowly laid with the help of a laying roller which guides the Welding Cords in the groove. With the other hand the nozzle of Hot Air Gun, with temperature at approx. 160°C to 170°C , is positioned along with the Welding cord. The Hot Air helps the Welding cord to merge with the joint of the flooring.
- With the help of cutting tool, the excess welding cord jutting out of the joint is scraped to bring the material in equal level to the flooring.
- The Welding of joints helps to achieve impervious, joint-less flooring and hence no dirt or bacteria can accumulate in the flooring joints and also helps maintain dimensional stability.

E) PVC Planks – Nuplank Laying recommendations

Requirement: A measuring Tape, metal ruler, a knife/ cutter and a Pencil.

Procedure:

1. It is very important like the resilient flooring above to acclimate the floor covering planks to the room conditions and therefore it is suggested to store the flooring in open condition in the room to be installed for 48 hours minimum at room temperature.
2. The laying should start from the center of the room. Centre point should be identified and the First Plank should be installed pointing towards the side/s of the room.
3. The next plank can be placed adjacent to the First plank starting from $\frac{1}{2}$ the length of the First Plank and taken to the side wall. Similar pattern should be followed for the rest of the room.
4. The plank should be cut to size at the wall.

HOW TO MAINTAIN VINYL FLOORINGS

For the first 48 hours after your new vinyl floor is installed

- Keep the room at 25°C or greater for at least 2 days after installation. This allows the adhesives to setup properly.
- Do not roll heavy objects directly on to a newly installed vinyl floor for at least 5 days. This can cause the vinyl and adhesive to become compressed, and once the adhesive sets up any compressed marks will become permanent.
- Allow 5 days before thoroughly cleaning your floor. This will give the adhesive time to cure.
- Lay a piece of plywood down before moving heavy objects. Before moving heavy objects across your vinyl floor, hold on! Always lay plywood or underlayment sheets down to disperse the weight.
- Check the condition of rollers and castors before use. Before placing chairs or furniture on your new vinyl floor check

the condition of all the casters or rollers before setting them on your floor. Replace any worn castors or rollers.

- Protect your vinyl floor by covering the legs of furniture with felt protectors. Otherwise, damaging dents that cannot be repaired will scar your floor
- Remove dust, sand and grit particles. Do this by frequently by sweeping or vacuuming your vinyl floor.
- Don't use a vacuum with a beater bar. It may scratch your floor. The attachments that come with your vacuum are useful to clean the edges or to get to hard to reach areas. When sweeping or vacuuming does not remove the dirt, mop the floor with clean warm water.
- Mop the floor thoroughly with fresh water after cleaning. If water alone does not clean the surface, use cleaning products recommended. We recommend mopping with soft soap solution added to water.
- Place non-staining, walk-off mats or rugs at every outside entry to your room. Think prevention. This will help keep sand and grit from being tracked on to your floor.
- Be sure to avoid using rubber-backed mats or rugs. They can damage and potentially discolor your floor over a period of time.
- For spots or spills, wipe them up immediately. Also, use a clean cloth to wipe the cleaner onto the floor. Rinse the spot or spill area thoroughly and wipe dry with a clean cloth.
- Avoid using abrasive scrubbing tools. They will leave scratches.
- For garage applications: If oil spills of any type are left on the floor for a long time, they may leave a permanent mark on the floor
- For Garage applications: Salt and screed from the streets, during the winters, may cause discolouration / scratches to the floor covering.
- For Garage applications: In case vehicle are left standing at one place for several days it may lead to discolouration of flooring at the point of contact of rubber tyres with PVC and it will also leave tyre marks on the flooring.

NOTES





Shlok, Plot 60 CD, 2nd Floor, Government Industrial Estate,

Charkop, Kandivali West, Mumbai 400 067, INDIA.

Tel.: +91(22) 28603514/6, Fax: +91(22) 28603565

Email: contact@natroyalgroup.com

Website: www.natroyalgroup.com

NATROYAL
GROUP