



PALETTONE

Discover a new world of colour



Commercial Homogeneous Flooring

Homogeneous flooring made by Polyflor in the UK is synonymous with quality and performance and product ranges that are typified by their excellent durability, reliability, ease of maintenance and design opportunities.

The latest addition, Palettone PUR, is no exception. Featuring a solid colour base with complementary toned highlights in a palette of 42 shades.

Availability

Palettone is available in an extensive selection of shades providing a deep and rich source of inspiration for contemporary interior design schemes. All shades are available in 2 x 20m sheets while selected shades are available in 608 x 608mm tiles or Static Dissipative (SD) sheet specification.

Sectors

All the established characteristics of a Polyflor homogeneous PUR product are inherent within this premium collection, which is ideally suited for the most demanding of commercial interiors, education facilities, leisure and retail areas.

Within the health and care sector, Palettone combines performance with aesthetics. When the issue of preventing and controlling infection is paramount or when a subtle, tone-on-tone design is required for a dementia-led environment, Palettone is the perfect fit-for-purpose contemporary floor covering solution.

For colour. For choice. Think Palettone.



FOR
COLOUR
FOR
CHOICE
THINK
PALETTONE.

Our natural world is alive with wonderfully concealed textures and materials that create beautiful arrangements of shades and colours.

Discover a new world of colour

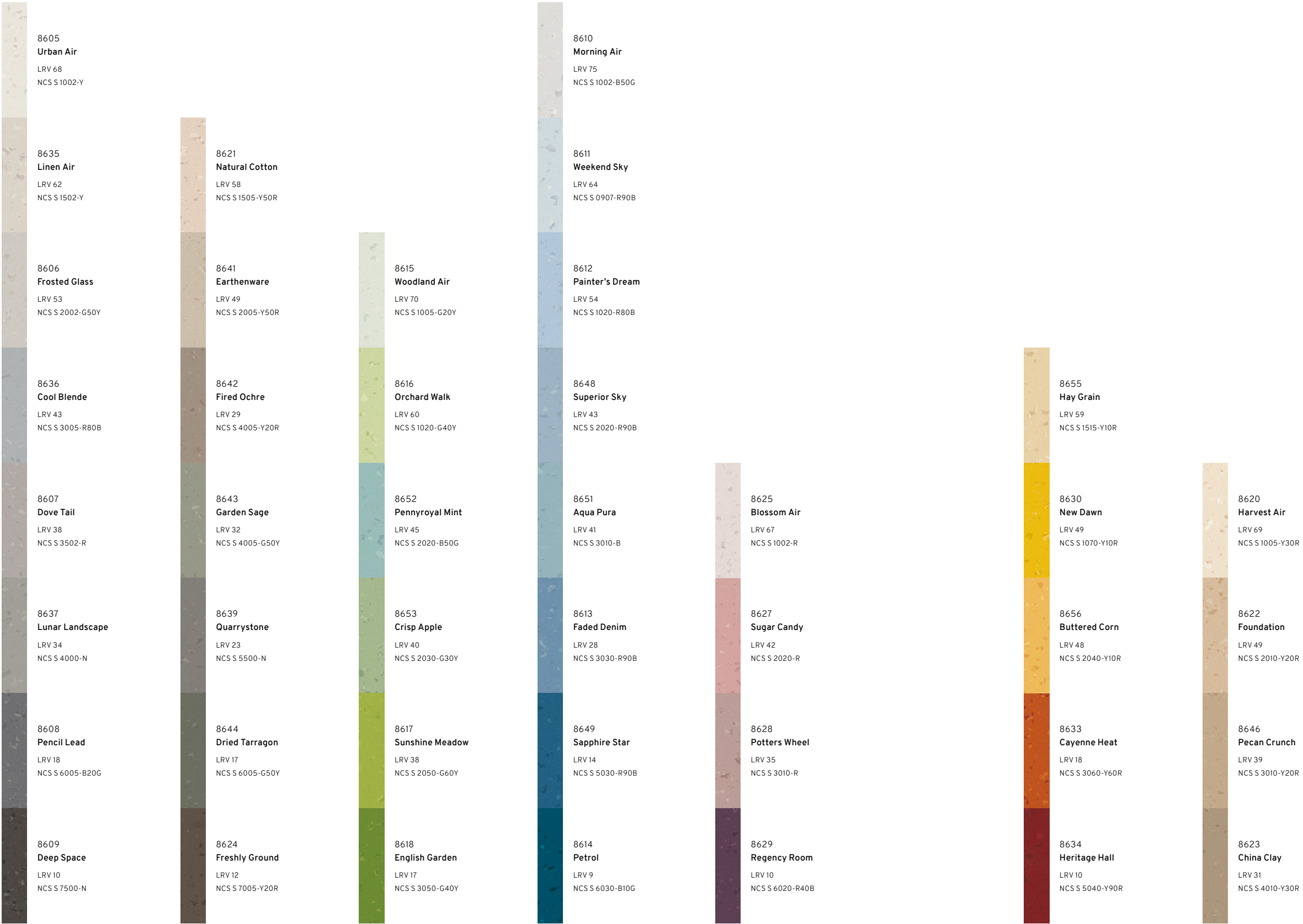
When exploring our surroundings, we can often be absorbed with a focal point or an exceptional view. This can often distract or disguise many of the smaller components that make up what we see. Only when we look closely at these individual elements, is it possible to discover a whole new world of shades and colours.

We have used this philosophy to generate our new Palettone flooring collection. We hope this will inspire you to construct a captivating foundation for your next interior design project.

Natural Colour System®

Natural Colour System® (NCS) is a global scientifically based colour system that allows designers and manufacturers to visualise and describe colour accurately.

Each shade of this new collection has it's own NCS reference number as a guide, whilst exploring and creating truly bespoke schemes that support your design intuition.



Cool Greys Warm Greys Greens Blues Pink Purples Yellow Reds Beige Browns

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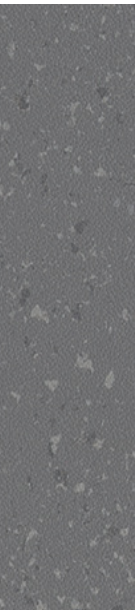
BEAUTIFUL
STONE SURFACES
CAPTURE INTRIGUING
COOL GREY SHADES

Cool Greys

Available in Tile (608 x 608mm) **Palettone SD Sheet 2 x 20m**

8609	8608	8637	8607	8636	8606	8635	8605
Deep Space	Pencil Lead	Lunar Landscape	Dove Tail	Cool Blende	Frosted Glass	Linen Air	Urban Air
LRV 10	LRV 18	LRV 34	LRV 38	LRV 43	LRV 53	LRV 62	LRV 68
NCS S 7500-N	NCS S 6005-B20G	NCS S 4000-N	NCS S 3502-R	NCS S 3005-R80B	NCS S 2002-G50Y	NCS S 1502-Y	NCS S 1002-Y
	8608SD		8607SD		8606SD		





8608
Pencil Lead
LRV 18
NCS S 6005-B20G



8606
Frosted Glass
LRV 53
NCS S 2002-G50Y





8609
Deep Space
LRV 10
NCS S 7500-N

8630
New Dawn
LRV 49
NCS S 1070-Y10R



WINDSWEPT
SAND CREATES
WARM TONES AS
THE RECEDING
SUNLIGHT HITS
EACH PEAK

Warm Greys

Available in Tile (608 x 608mm) ■■

8624 Freshly Ground	8644 Dried Tarragon	8639 Quarrystone	8643 Garden Sage	8642 Fired Ochre	8641 ■■ Earthenware	8621 Natural Cotton
LRV 12 NCS S 7005-Y20R	LRV 17 NCS S 6005-G50Y	LRV 23 NCS S 5500-N	LRV 32 NCS S 4005-G50Y	LRV 29 NCS S 4005-Y20R	LRV 49 NCS S 2005-Y50R	LRV 58 NCS S 1505-Y50R





8624
Freshly Ground
LRV 12
NCS S 7005-Y20R



8641
Earthenware
LRV 49
NCS S 2005-Y50R





8621
Natural Cotton
LRV 58
NCS S 1505-Y50R

8642
Fired Ochre
LRV 29
NCS S 4005-Y20R



INDIVIDUAL BLADES
OF GRASS FLOURISH
TO REFLECT AN
ASSORTMENT OF
GREEN TONES

Greens

Available in Tile (608 x 608mm) ■■ Palettone SD Sheet 2 x 20m ⚡

8618 English Garden LRV 17 NCS S 3050-G40Y	8617 Sunshine Meadow LRV 38 NCS S 2050-G60Y	8653 Crisp Apple LRV 40 NCS S 2030-G30Y	8652 Pennyroyal Mint LRV 45 NCS S 2020-B50G	8616 Orchard Walk LRV 60 NCS S 1020-G40Y	8615 ■■■ Woodland Air LRV 70 NCS S 1005-G20Y 8615SD ⚡
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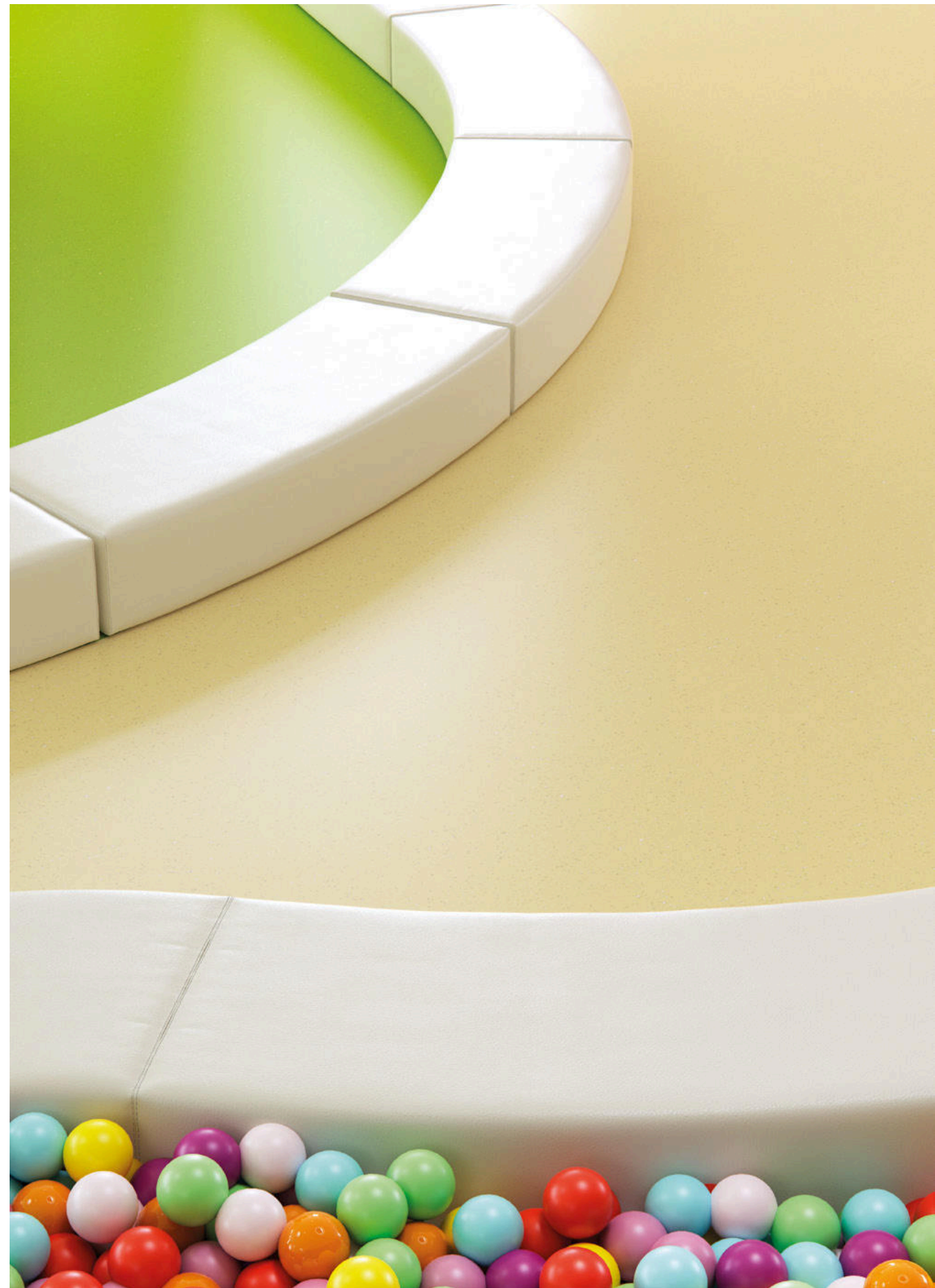


8618
English Garden
LRV 17
NCS S 3050-G40Y



8615
Woodland Air
LRV 70
NCS S 1005-G20Y





8617
Sunshine Meadow
LRV 38
NCS S 2050-G60Y



8655
Hay Grain
LRV 59
NCS S 1515-Y10R





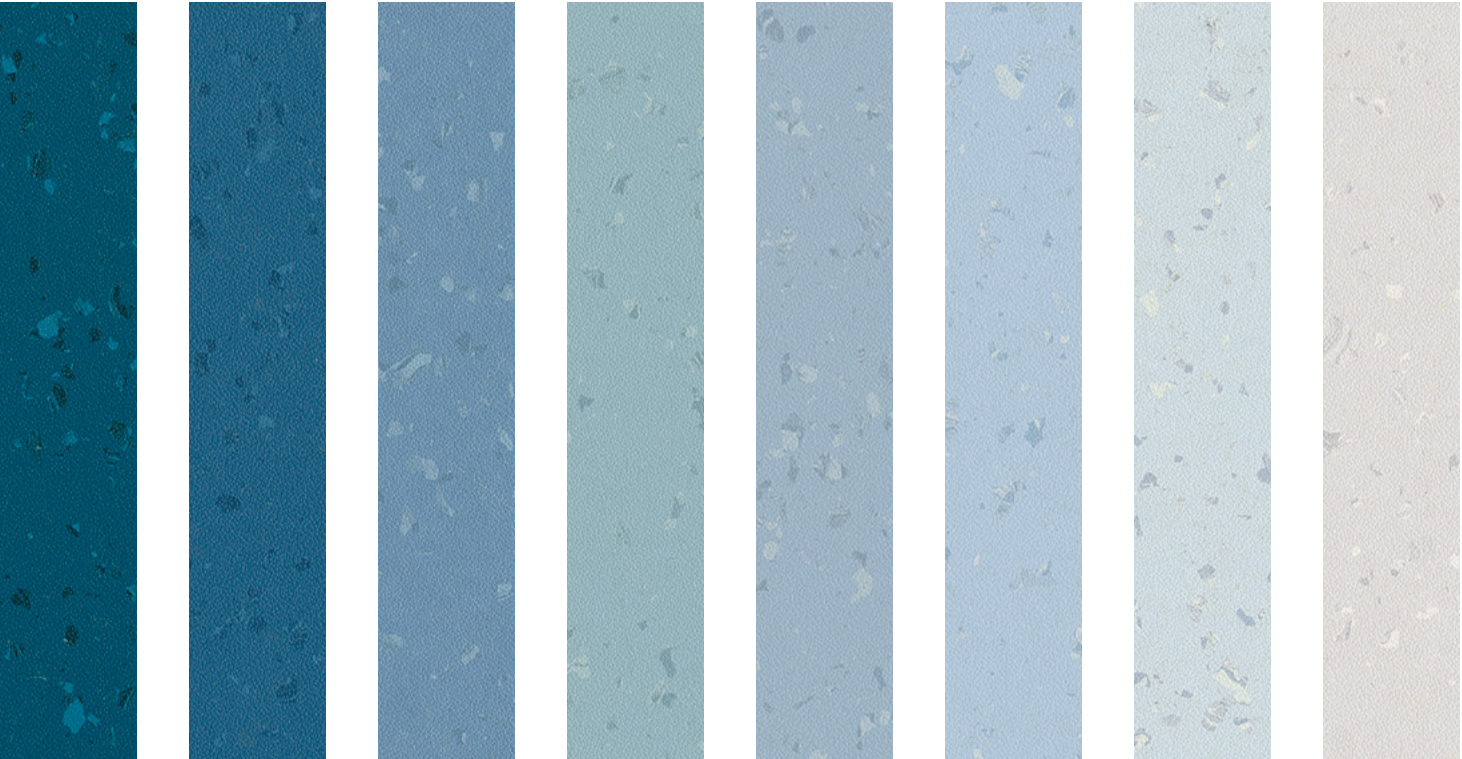
GENTLY RIPPLING
WATER REVEALS
SOFT CURVES
AND TRANQUIL
SHADES OF BLUE

Blues

Available in Tile (608 x 608mm) ■■ Palettone SD Sheet 2 x 20m ⚡

8614 Petrol LRV 9 NCS S 6030-B10G	8649 Sapphire Star LRV 14 NCS S 5030-R90B	8613 ■■ Faded Denim LRV 28 NCS S 3030-R90B	8651 Aqua Pura LRV 41 NCS S 3010-B	8648 Superior Sky LRV 43 NCS S 2020-R90B	8612 Painter's Dream LRV 54 NCS S 1020-R80B	8611 ■■ Weekend Sky LRV 64 NCS S 0907-R90B	8610 Morning Air LRV 75 NCS S 1002-B50G
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8611SD ⚡





8613
Faded Denim
LRV 28
NCS S 3030-R90B



8648
Superior Sky
LRV 43
NCS S 2020-R90B



8611
Weekend Sky
LRV 64
NCS S 0907-R90B



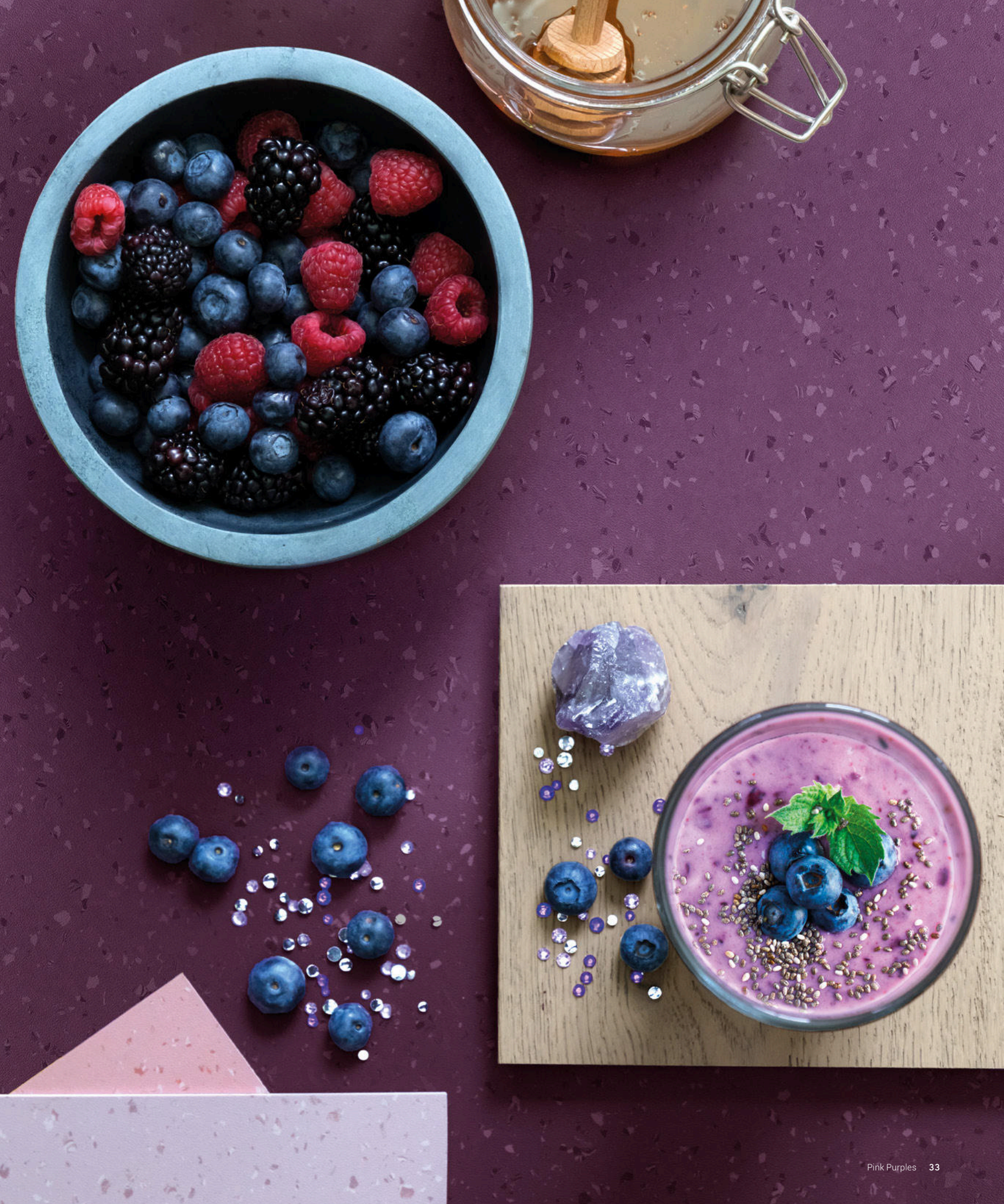


8614
Petrol
LRV 9
NCS S 6030-B10G

8605
Urban Air
LRV 68
NCS S 1002-Y



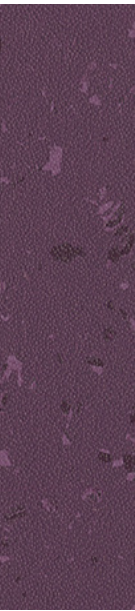
NATURALLY FORMED
CRYSTALS EXPOSE
ALLURING PINK AND
PURPLE TONES



Pink Purples

8629 Regency Room	8628 Potters Wheel	8627 Sugar Candy	8625 Blossom Air
LRV 10	LRV 35	LRV 42	LRV 67
NCS S 6020-R40B	NCS S 3010-R	NCS S 2020-R	NCS S 1002-R





8629
Regency Room
LRV 10
NCS S 6020-R40B



8625
Blossom Air
LRV 67
NCS S 1002-R





8628
Potters Wheel
LRV 35
NCS S 3010-R

8635
Linen Air
LRV 62
NCS S 1502-Y



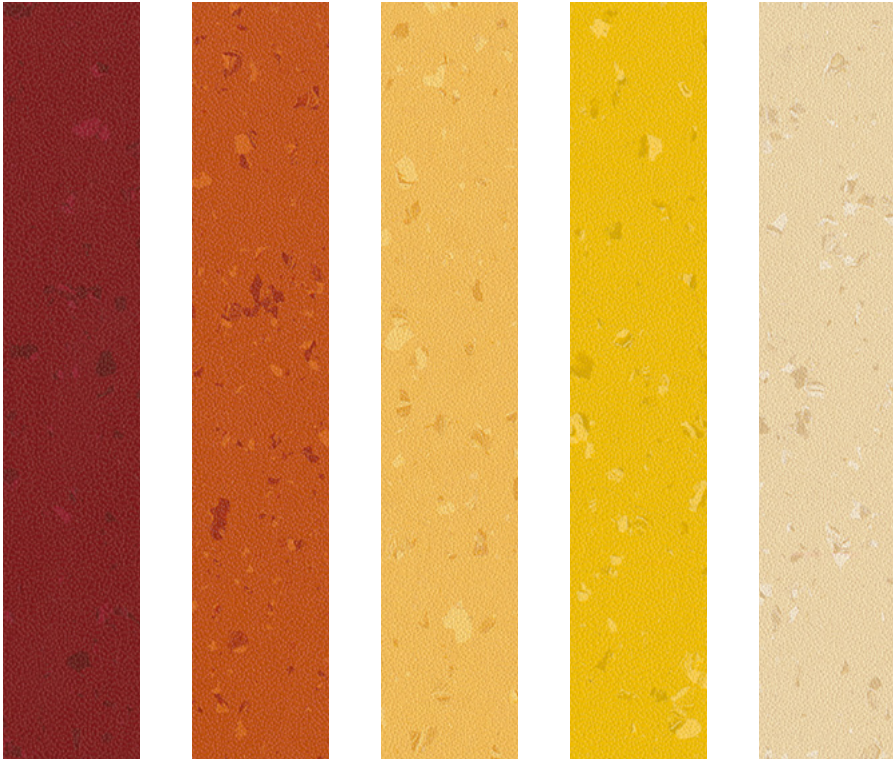
FALLEN AUTUMN
LEAVES BUILD UP
A DELIGHTFUL
COLLECTION OF
YELLOW AND REDS



Yellow Reds

Available in Tile (608 x 608mm) ■■

8634 Heritage Hall	8633 Cayenne Heat	8656 Buttered Corn	8630 New Dawn	8655 ■■ Hay Grain
LRV 10 NCS S 5040-Y90R	LRV 18 NCS S 3060-Y60R	LRV 48 NCS S 2040-Y10R	LRV 49 NCS S 1070-Y10R	LRV 59 NCS S 1515-Y10R





8634
Heritage Hall
LRV 10
NCS S 5040-Y90R



8656
Buttered Corn
LRV 48
NCS S 2040-Y10R





8633
Cayenne Heat
LRV 18
NCS S 3060-Y60R

8620
Harvest Air
LRV 69
NCS S 1005-Y30R



MATURING
BARK FORMS
FASCINATING
BEIGES WITH
CONTRASTING
BROWN SHADOWS

Beige Browns

Available in Tile (608 x 608mm)  [Palettone SD Sheet 2 x 20m](#) 

- 8623
China Clay

LRV 31
NCS S 4010-Y30R
- 8646
Pecan Crunch

LRV 39
NCS S 3010-Y20R
- 8622 
Foundation

LRV 49
NCS S 2010-Y20R
- 8620 
Harvest Air

LRV 69
NCS S 1005-Y30R

[8620SD](#) 





8639
Quarrystone
LRV 23
NCS S 5500-N



8622
Foundation
LRV 49
NCS S 2010-Y20R



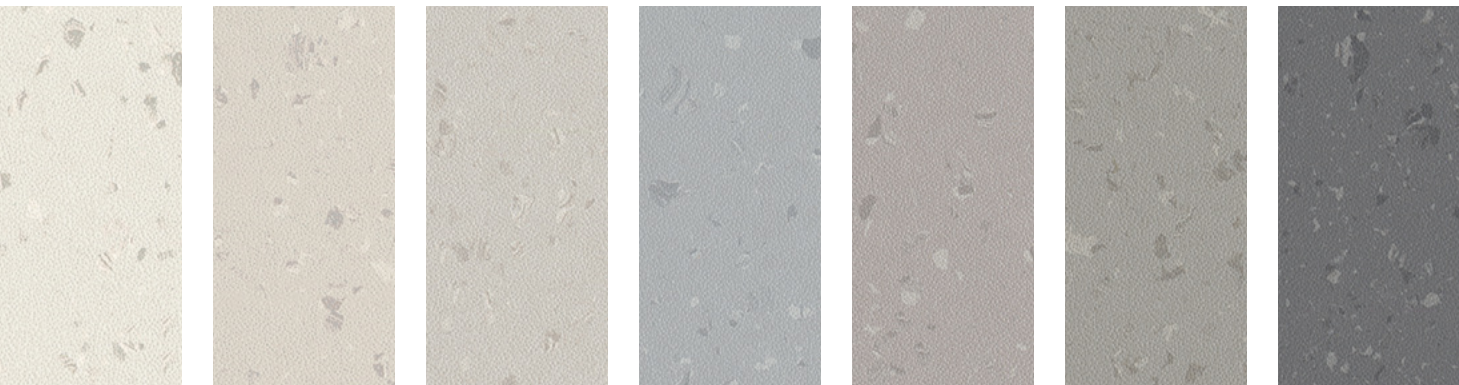


8623
China Clay
LRV 31
NCS S 4010-Y30R

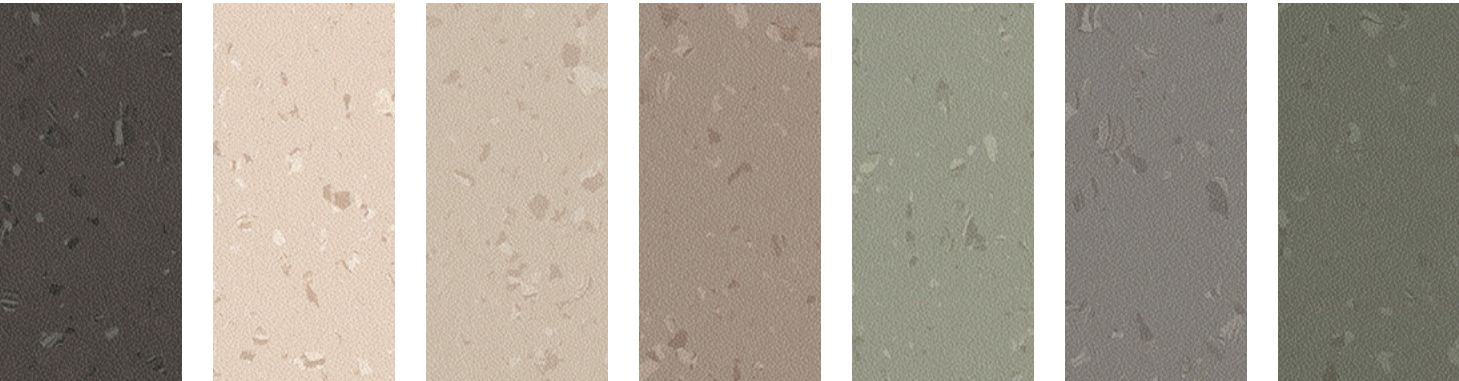
8656
Buttered Corn
LRV 48
NCS S 2040-Y10R

8625
Blossom Air
LRV 67
NCS S 1002-R

Palettone PUR Collection



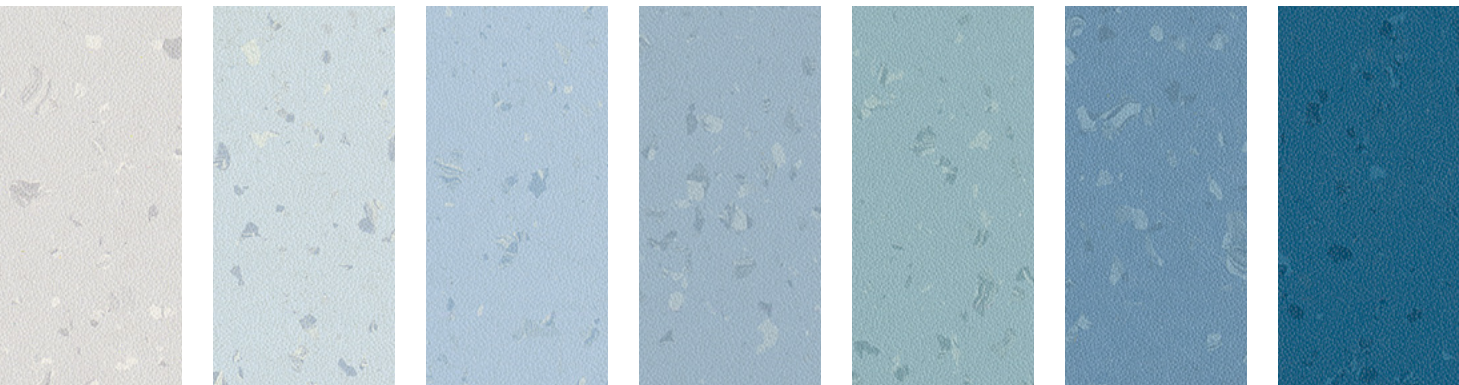
8605 ■■ Urban Air LRV 68 w/r 8605 NCS S 1002-Y	8635 ■■ Linen Air LRV 62 w/r 9703 NCS S 1502-Y	8606 ■■ Frosted Glass LRV 53 w/r 8606 NCS S 2002-G50Y	8636 ■■ Cool Blende LRV 43 w/r 9704 NCS S 3005-R80B	8607 ■■ Dove Tail LRV 38 w/r 8607 NCS S 3502-R	8637 ■■ Lunar Landscape LRV 34 w/r 9718 NCS S 4000-N	8608 ■■ Pencil Lead LRV 18 w/r 8608 NCS S 6005-B20G
8606SD ⚡			8607SD ⚡			8608SD ⚡



8609 ■■ Deep Space LRV 58 w/r 8609 NCS S 7500-N	8621 ■■ Natural Cotton LRV 58 w/r 8621 NCS S 1505-Y50R	8641 ■■ Earthenware LRV 49 w/r 9716 NCS S 2005-Y50R	8642 ■■ Fired Ochre LRV 29 w/r 9724 NCS S 4005-Y20R	8643 ■■ Garden Sage LRV 32 w/r 8643 NCS S 4005-G50Y	8639 ■■ Quarystone LRV 23 w/r 8639 NCS S 5500-N	8644 ■■ Dried Tarragon LRV 17 w/r 8644 NCS S 6005-G50Y
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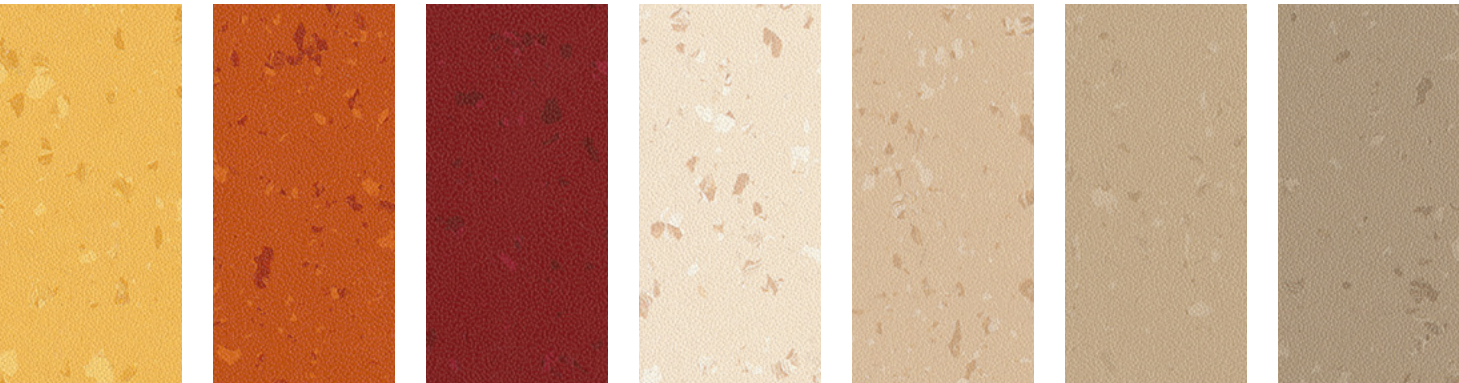
8624 ■■ Freshly Ground LRV 12 w/r 8624 NCS S 7005-Y20R	8615 ■■ Woodland Air LRV 70 w/r 8615 NCS S 1005-G20Y	8616 ■■ Orchard Walk LRV 60 w/r 8616 NCS S 1020-G40Y	8652 ■■ Pennyroyal Mint LRV 45 w/r 9706 NCS S 2020-B50G	8653 ■■ Crisp Apple LRV 40 w/r 9708 NCS S 2030-G30Y	8617 ■■ Sunshine Meadow LRV 38 w/r 8617 NCS S 2050-G60Y	8618 ■■ English Garden LRV 17 w/r 8618 NCS S 3050-G40Y
8615SD ⚡						



8610 ■■ Morning Air LRV 75 w/r 8610 NCS S 1002-B50G	8611 ■■ Weekend Sky LRV 64 w/r 8611 NCS S 0907-R90B	8612 ■■ Painter's Dream LRV 54 w/r 8612 NCS S 1020-R80B	8648 ■■ Superior Sky LRV 43 w/r 9709 NCS S 2020-R90B	8651 ■■ Aqua Pura LRV 41 w/r 9710 NCS S 3010-B	8613 ■■ Faded Denim LRV 28 w/r 8613 NCS S 3030-R90B	8649 ■■ Sapphire Star LRV 14 w/r 9720 NCS S 5030-R90B
8611SD ⚡						



8614 ■■ Petrol LRV 9 w/r 8614 NCS S 6030-B10G	8625 ■■ Blossom Air LRV 67 w/r 8625 NCS S 1002-R	8627 ■■ Sugar Candy LRV 42 w/r 8627 NCS S 2020-R	8628 ■■ Potters Wheel LRV 35 w/r 8628 NCS S 3010-R	8629 ■■ Regency Room LRV 10 w/r 8629 NCS S 6020-R40B	8655 ■■ Hay Grain LRV 59 w/r 9702 NCS S 1515-Y10R	8630 ■■ New Dawn LRV 49 w/r 8630 NCS S 1070-Y10R
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8656 ■■ Buttered Corn LRV 48 w/r 3580 NCS S 2040-Y10R	8633 ■■ Cayenne Heat LRV 18 w/r 8633 NCS S 3060-Y60R	8634 ■■ Heritage Hall LRV 10 w/r 8634 NCS S 5040-Y90R	8620 ■■ Harvest Air LRV 69 w/r 8620 NCS S 1005-Y30R	8622 ■■ Foundation LRV 49 w/r 8622 NCS S 2010-Y20R	8646 ■■ Pecan Crunch LRV 39 w/r 9723 NCS S 3010-Y20R	8623 ■■ China Clay LRV 31 w/r 8623 NCS S 4010-Y30R
8620SD ⚡						

All Palettone PUR shades feature complementary toned highlights. Decoration and shade may vary slightly from the samples shown.

Palettone PUR Sheet 2 x 20m 42 shades Available in Tile (608 x 608mm) ■■ Palettone SD Sheet 2 x 20m ⚡

Palettone PUR Technical Information*



Product Format

Type of floor covering	ISO 10581	Homogeneous, PVC
Collection (sheet)		42 shades
Sheet Size	ISO 24341 (EN 426)	2 x 20m
Collection (tile)		12 shades
Tile Size	ISO 24342 (EN 427)	608 x 608mm
Gauge	ISO 24346 (EN 428)	2.0mm
Total Weight	ISO 23997 (EN 430)	2800g/m²
Emboss Finish		Semi-matt
Surface Treatment		PUR
CE Certification		Yes
Product Warranty		15 years

Performance Requirements

General Performance	ISO 10581	Conforms
	ASTM F1913	Conforms
	ASTM F1700	Class I, Type A
Use Area	ISO 10874 (EN 685)	34: Very heavy commercial
		43: Heavy industrial
		23: Heavy domestic
Reaction to Fire	EN 13501-1	Class Bfl-S1
	ASTM E648	Class 1
	ASTM E662	<450
	CAN/ULC S102.2	FSV < 300; SDV < 500
	AS ISO 9239-1	>8.0 kW/m²
Abrasion Resistance	EN 660-2	Group T
Binder Content	ISO 10581	Type I
Slip Resistance	EN 13893	Class DS
	AS 4586	R10
	DIN 51130 / DIN EN 16165 Ann. B	R10
Residual Indentation	ASTM D2047	SCOF ≥0.6
	ASTM F970 (Modified)	≤0.005" (750psi)
Static Electrical Propensity	ISO 24343-1	≤0.10mm
	EN 1815	≤2.0kV Classified as 'antistatic'
Castor Chair (continuous use)	ISO 4918 (EN 425)	Suitable
Flexibility	ASTM F137	Pass
Agrément Assurance	Polyflor Palettone PUR has been independently assessed by the British Board of Agrément and product performance is assured for at least 10 years in recommended use areas. With proper maintenance the appearance and colour will be retained during this period.	
Underfloor Heating		Suitable, max 27°C
Light Fastness	ISO 105-BO2 (Method 3)	≥6
Resistance to Light	ASTM F1515	ΔE ≤ 8.0 - Meets
Resistance to Heat	ASTM F1514	ΔE ≤ 8.0 - Meets

Acoustic Performance

Impact Sound Reduction	ISO 10140-3	4dB
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VOCs

VOC Emissions	Indoor Air Comfort Gold	Eurofins certified product
	FloorScore	Certified
	Finnish M1 Classification	Certified
	TVOC after 28 days	≤10µg/m³

Environmental

Environmentally Preferable	BRE Green Guide	A+ ENP 472
	Recycled Content	25%
	Recyclable	100%
	Phthalates	Phthalate-free
	Bio-Plasticiser	Contains Bio-Plasticiser
	Recofloor	Access to the scheme
GreenTag	REACH	Compliant
	LCA Rate Gold Plus	GreenRate level A
	Generic EN 15804 EPD	Available
Responsible Sourcing	BES 6001	Excellent
ISO 9001	Quality Management System	
ISO 14001	Environmental Management System	
AgBB/ABG		Pass

Hygiene

Bacterial Resistance	ISO 846 Part C	Does not favour growth
Clean Rooms	ISO 14644-1	Class 4
Ease of Radioactive Decontamination	ISO 8690	Excellent
Hygiene Statement	All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection. Regular light maintenance is more cost-effective than periodic heavy maintenance and more beneficial to the floor covering.	

Maintenance Performance

Alco hand gels	Compatible for use with most commonly used alco-based hand gels	
Steam Cleaning	Suitable for steam cleaning on a periodic basis	
Staining & Resistance to Chemicals	ISO 26987 (EN 423) ASTM F925	Low stain.
		Good resistance to dilute acids & alkalis.
		Chemical Resistance Charts available upon request
Light Reflectance Values	BS 8493	Available by shade for optimal choice



Manufacturing in the UK since 1915

Polyflor has for many decades been recognised as a leading global manufacturer of high quality, high performance sustainable floor coverings. With proven pedigree in the manufacture of homogeneous floor coverings, Palettone is the latest homogeneous collection to be developed and manufactured at our UK facility based in Manchester.

Homogeneous flooring – product construction

Palettone PUR is a 2.0mm flexible PVC flooring and is manufactured by calendaring and pressing to ensure a dense, smooth surface. With its monolayer construction for even wear and 100% useful life, Palettone PUR is available in sheet format (2m x 20m) and 608 x 608mm tile (12 shades). Where static control is a key requirement, Palettone SD is available in sheet format (2m x 20m) in 6 shades.

Cleaning and maintenance

'Good' or regular maintenance can reduce wear and ultimately improve the life expectancy of the floor covering.

Following the continued market demand for easier to clean floors and reduction in lifecycle maintenance costs, Palettone features a high quality,

cross-linked, UV cured, durable polyurethane reinforcement (PUR) that protects the floor covering by resisting soiling and scuffing.

Combined with the superior closed surface finish, this enhanced protection allows the use of a polish-free maintenance regime for the lifetime of the flooring and ensures the intensity of maintenance and overall cleaning costs are significantly reduced. This easier maintenance regime will lead to significant cost savings of 48% over the life of the product when compared with untreated products, including a reduction of the use of cleaning chemicals, water and energy.

To assist with the maintenance of a clean and safe health & care environment, detailed floorcare guidance is available for Palettone PUR, along with a list of cleaning products approved for use with Polyflor floor coverings. See www.polyflor.com/technical for further information. In addition, in areas where hygiene is paramount, Palettone has been independently tested and results demonstrate a good overall result to biological resistance (ISO 846, C). All Polyflor commercial grade vinyl sheet can be confidently cleaned and an effective cleaning regime remains the most important defence against infection.

Resistance to chemicals

Comprehensive guide to chemical effects and staining by each Palettone shade available on request.

*For Palettone SD technical specification, please refer to p59. The data presented is correct at the time of printing. For latest information, please visit our website www.polyflor.com



Sustainability

The combination of stringent sustainability certification and a high level of performance and benefits in use, customers need not compromise on choice nor budget to specify products with the lowest environmental impact.

Individually certified by BRE Global (ENP 472) and achieving an A+ rating for health & care and education use areas, Palettone has undergone a life cycle analysis (LCA) which considers environmental performance throughout every stage of its life.

As a premium smooth homogeneous sheet vinyl, Palettone is certified to assure very low VOC emissions for best indoor air comfort and quality.



Designed to support living well with dementia

Designs that promote harmony and wellbeing through the creation of a sense of calm are important to resident comfort and welfare, particularly for those living with dementia.

There are specific aspects of flooring design and specification which can be considered to ensure residents are comfortable and feel at ease. These include the use of flooring with a matt appearance and the use of natural colours and effects.

Palettone, with a solid colour base and complementary toned highlights is suitable to be used in a dementia-friendly environment. The palette's broad collection of colours spans neutrals, mid-tones and warm earth tones for depth and choice. When part of the complete design concept, the choice of floor coverings can have a major impact on the 'feel' of an area designed for the needs of residents living with different forms of dementia.

Preparation and installation

The quality of a finished installation can be very much dependent upon the preparation of the subfloor and the attention paid to the recommendations made in various local codes of practice and by the manufacturers of the component parts.

To achieve best results, site conditions should be as described in BS 8203 or prevailing local/national standards and conditioning should be carried out in the same room or areas as the installation.

Use of the correct adhesives is an integral part of a successful installation. For details of the Polyflor Approved Adhesives for Palettone, contact the Customer Technical Services Department (tech@polyflor.com) or visit us online at www.polyflor.com.

For full details of the installation of Palettone sheet, tile and SD sheet, see the Polyflor Technical Information Manual online at www.polyflor.com/technical or email tech@polyflor.com.

Acoustic Performance

Palettone PUR is compatible with Polyflor Acoustifoam to achieve an impact sound reduction level of 18dB in locations where noise reduction is required.

Polyflor Ejecta vinyl flooring accessories

Where hygiene is important, Polyflor Homogeneous sheet flooring may be coved using the Polyflor Ejecta ranges of flooring accessories. These are PVC extrusions designed for use with Palettone and include set-in coved skirtings, sit-on coved skirtings, cove former, capping strip and CT strip and ensures a sealed surface.

Polyflor recommends that all Polyflor vinyl sheet and 608 x 608mm tile flooring is welded to produce hygienic, continuous floors.

Weld rods are available by shade to match individual Palettone colours allowing seams to match or contrast with the floor finish.



Low VOC emissions

Contemporary
non-directional, semi-matt
emboss for even distribution
of light reflectance

Resists soiling and scuffing



All images are for illustrative purposes only and feature cold-welded seams.

Light Reflectance Values (LRVs)

Optimal Choice

LRVs can be used to show compliance and understanding of various building regulations within hospitals, schools and the commercial environment and represent a relative light and dark value rather than an actual colour.

LRVs are expressed on a scale of 0-100 where absolute black has a value of 0 and absolute white has a value of 100.

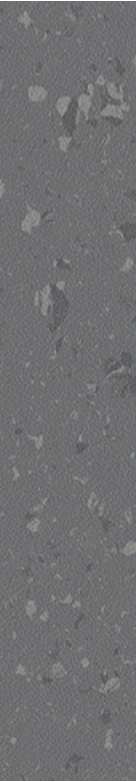
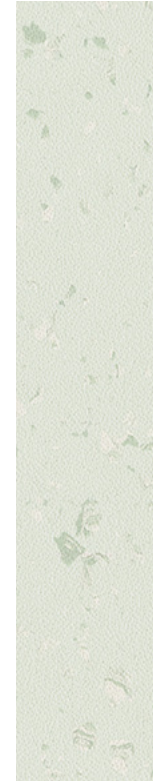
As a universal value for 'contrast', the minimum of 30 points of LRV difference is specified to ensure sufficient contrast between adjacent surfaces for the visually impaired.

To help support a proposed design scheme, the Light Reflectance Values for Palettone PUR and Palettone SD are listed here highlighting the depth and choice available from within the collection.

	LRV	Code	Name	Page
	9	8614	Petrol	26
	10	8609	Deep Space	8
	10	8629	Regency Room	32
	10	8634	Heritage Hall	38
	12	8624	Freshly Ground	14
	14	8649	Sapphire Star	26
	17	8618	English Garden	20
	17	8644	Dried Tarragon	14
	18	8608	Pencil Lead	8
	18	8633	Cayenne Heat	38
	23	8639	Quarystone	14
	28	8613	Faded Denim	26
	29	8642	Fired Ochre	14
	31	8623	China Clay	44
	32	8643	Garden Sage	14
	34	8637	Lunar Landscape	8
	35	8628	Potters Wheel	32
	38	8617	Sunshine Meadow	20
	38	8607	Dove Tail	8
	39	8646	Pecan Crunch	44
	40	8653	Crisp Apple	20

	LRV	Code	Name	Page
	41	8651	Aqua Pura	26
	42	8627	Sugar Candy	32
	43	8636	Cool Blende	8
	43	8648	Superior Sky	26
	45	8652	Pennyroyal Mint	20
	48	8656	Buttered Corn	38
	49	8630	New Dawn	38
	49	8622	Foundation	44
	49	8641	Earthenware	14
	53	8606	Frosted Glass	8
	54	8612	Painter's Dream	26
	58	8621	Natural Cotton	14
	59	8655	Hay Grain	38
	60	8616	Orchard Walk	20
	62	8635	Linen Air	8
	64	8611	Weekend Sky	26
	67	8625	Blossom Air	32
	68	8605	Urban Air	8
	69	8620	Harvest Air	44
	70	8615	Woodland Air	20
	75	8610	Morning Air	26

Palettone SD Sheet

8608SD ⚡ Pencil Lead LRV 18 NCS S 6005-B20G	8607SD ⚡ Dove Tail LRV 38 NCS S 3502-R	8611SD ⚡ Weekend Sky LRV 64 NCS S 0907-R90B	8606SD ⚡ Frosted Glass LRV 53 NCS S 2002-G50Y	8620SD ⚡ Harvest Air LRV 69 NCS S 1005-Y30R	8615SD ⚡ Woodland Air LRV 70 NCS S 1005-G20Y
					



Engineered for ESD protection

Polyflor Static Dissipative products are engineered for use where static control is required and are homogeneous in construction, ensuring that these properties are present throughout the product, guaranteeing a consistent and effective appearance and performance.

Palettone SD is ideal for use in telecommunications installations, computer rooms, electronic manufacturing and healthcare facilities, such as scanner rooms, X-ray suites and operating theatres where sensitive electronic equipment is in use and static charge can be a concern.

Adhesives

Polyflor advises the use of a recommended conductive adhesive for all Static Control floor coverings and contact adhesive for earthing strips.

Installation

The basic techniques for installation of Palettone SD are the same as per homogeneous sheet and for more specific details see the Polyflor Technical Manual.

Floorcare

Polyflor approved conductive polishes may be used, in accordance with the manufacturers' instructions. Standard polishes should not be applied.

When specifying a Polyflor ESD vinyl floor covering, Polyflor recommends that you discuss your requirements with our Customer Technical Services Team (tech@polyflor.com) as an electrical performance specification must be identified at the outset.

Palettone SD Technical Information

Product Format

Type of floor covering	ISO 10581	Homogeneous, PVC with static dissipative properties
Collection (sheet)		6 shades
Sheet Size	ISO 24341 (EN 426)	2m x 20m
Gauge	ISO 24346 (EN 428)	2.0mm
Total Weight	ISO 23997 (EN 430)	3030g/m²
Emboss Finish		Semi-matt
CE Certification		Yes
Product Warranty		10 years

Performance Requirements

General Performance	ISO 10581	Conforms
	ASTM F1913	Conforms
Use Area	ISO 10874	34: Very heavy commercial 43: Heavy industrial
Reaction to Fire	EN 13501-1	Class Bfl-S1
	ASTM E648	Class 1
	ASTM E662	<450
	CAN/ULC S102.2	FSV < 300; SDV < 500
	AS ISO 9239-1	>8.0 kW/m²
Abrasion Resistance	EN 660-2	Group P
Binder Content	ISO 10581	Type I
Slip Resistance	EN 13893	Class DS
	DIN 51130 / DIN EN 16165 Ann. B	R9
Electrical Resistance	EN 1081 R ₁ /R ₂	1.0 x 10 ⁶ - 1.0 x 10 ⁹ ohms
	ESD S 7.1	1.0 x 10 ⁶ - 1.0 x 10 ⁹ ohms
	IEC 61340- 4-1	1.0 x 10 ⁶ - 1.0 x 10 ⁹ ohms
Static Electrical Propensity	All products require minimum 40% RH	
	EN 1815	≤2.0kV Classified as 'antistatic'
Agrément Assurance	Polyflor Palettone PUR has been indepently assessed by the British Board of Agreement and product perforamnce is assured for at least 10 years in recommended use areas. With proper maintenance the appearance and colour will be retained during this period.	

VOCs

VOC Emissions	Indoor Air Comfort Gold	Eurofins certified product
	FloorScore	Certified
	Finnish M1 Classification	Certified

The data presented is correct at the time of printing. For latest information, please visit our website www.polyflor.com

Environmental

Environmentally Preferable	BRE Green Guide	A+ Generic
	Generic EN 15804 EPD	Available
	Recycled Content	25%
	Recyclable	100%
	Phthalates	Phthalate-free
	Bio-Plasticiser	Contains Bio-Plasticiser
ISO 9001	Recofloor	Access to the scheme
	REACH	Compliant
	Quality Management System	
ISO 14001	Environmental Management System	

Hygiene

Clean Rooms	ISO 14644-1	Class 3
Bacterial Resistance	ISO 846 Part C	Does not favour growth
Hygiene Statement	All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection. Regular light maintenance is more cost-effective than periodic heavy maintenance and more beneficial to the floor covering.	

Maintenance Performance

Alco hand gels	Compatible for use with most commonly used alco-based hand gels	
Staining & Resistance to Chemicals	ISO 26987 (EN 423)	Low stain.
		Good resistance to dilute acids & alkalis.
		Chemical Resistance Charts available upon request
Light Fastness	ISO 105-B02 (Method 3)	≥6
Light Reflectance Values	BS 8493	Available by shade for optimal choice

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