

FPO

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GRAND *Voyager*

ECO-FRIENDLY, RECYCLED RUBBER FLOORING
& UNDERLAYMENT COLLECTION

Explore a world of options

THE ULTIMATE RB STORY & ADVANTAGE

RB Rubber was established in 1985 by Ron Bogh when he purchased an inventor's experimental process for making matting products out of recycled tires. The company grew rapidly to become the leading manufacturer of equine matting in the United States. In 1995, the company developed the molding process that is used to produce playground safety tiles and other products.

RB Rubber was purchased in 1999 by DASH Multi-Corp., a diversified St. Louis-based holding company established in 1974 by the entrepreneur, Marvin Wool. The company greatly expanded its flooring products offering via the addition of a rolled rubber production process in 2001. In 2014 Dash Multi-Corp was rebranded as Accella Performance Materials.

In May 2014, Accella acquired Ultimate Systems and RTH Processing. RTH is the largest US manufacturer of EPDM granules, available in a limitless variety of colors. Ultimate Systems produces rolled rubber products and tiles made from recycled materials. Along with these new strengths came the need for a new name, Ultimate RB. Today, Ultimate RB is one of the largest and most technically advanced manufacturers of recycled rubber products in the world.

There are several factors that distinguish Ultimate RB from other manufacturers of recycled rubber products:

Ultimate RB is the only manufacturer with the three distinct production processes described above, and this allows the company to offer an unrivaled variety of products for use in many different industries and applications.

Ultimate RB stands out as the only rubber flooring manufacturer with the cost advantage of being vertically integrated, as we now produce our own recycled tire crumb, a wide variety of colored EPDM granules and urethane binder.

With full control over the production of materials used to make its products, Ultimate RB can offer quality control and reliability that no competitor can match.

Finally, Ultimate RB is the only manufacturer with production facilities in the east and the west, which enable the company to economically serve customers from coast to coast.

With the combination of all of these factors, Ultimate RB is uniquely positioned to offer consistent quality and value to customers in a broad range of industries.



ULTIMATE RB BENEFITS

- ECO-FRIENDLY
- DURABLE
- EASY INSTALLATION
- EASY TO CLEAN
- AMERICAN MADE
- CUSTOM COLOR & SIZING
- FLOORSCORE CERTIFIED
- MINIMAL ODOR
- SUPERIOR COMFORT
- ISO:9001
- SLIP & IMPACT RESISTANT
- ANTI-FATIGUE
- SOUND ABSORBING

ULTIMATE DESIGN

Admired by architects and designers. Recommended and selected by specifiers. Preferred by green building managers. Ultimate Design recycled rubber flooring has proven to be the floor of choice by those who desire sustainable, environmentally friendly, resilient flooring. Ultimate Design is available in an infinite number of colors and design options. Manufactured from vivid EPDM color granules - which consist of 28% post-industrial recycle - Ultimate Design rubber flooring can be blended to match your custom color pallet, achieving virtually any color range for an unlimited number of applications. Schools, hospitals, retail spaces and corporate office buildings are common installations. Ultimate Design is FloorScore certified and meets the CHPS criteria for strict indoor air quality standards. In addition, Ultimate Design can contribute to multiple LEED credits under the U.S. Green Building Council's rating system.

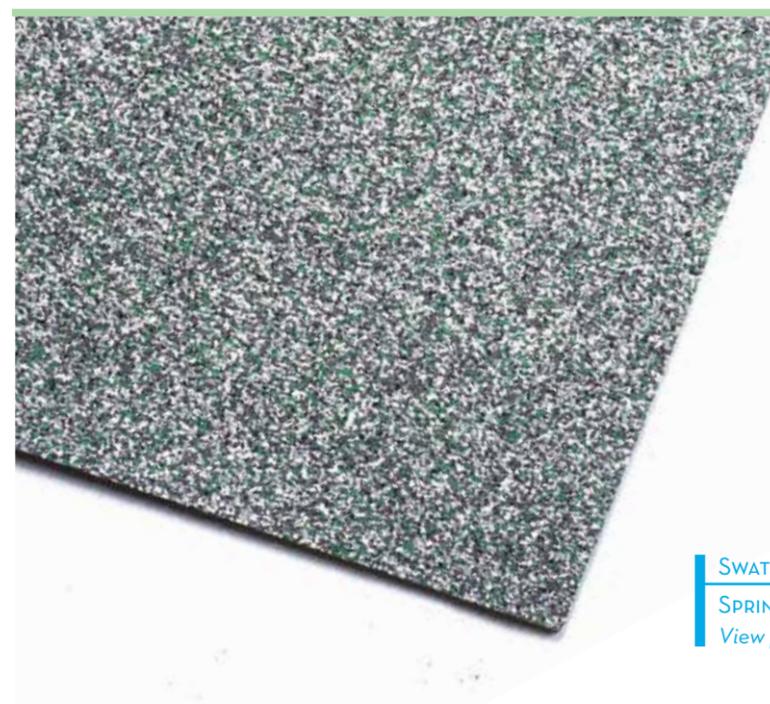


ULTIMATE DESIGN APPLICATIONS

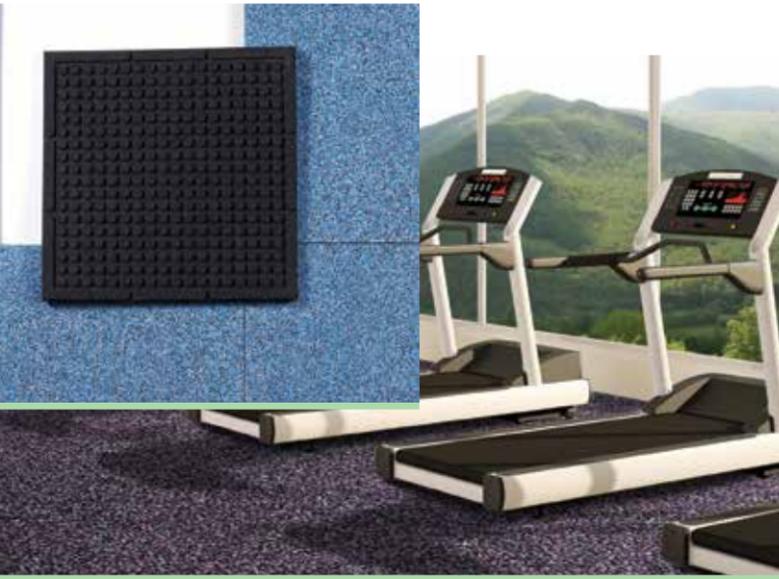
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|--------------------------------------|--------------------------------|-----------------------|
| RETAIL SPACES, OFFICES & RESTAURANTS | HOSPITALS, SCHOOLS & LIBRARIES | GOLF & SKI RESORTS |
| MERCHANDISE & PRODUCT DISPLAYS | AEROBIC FITNESS & YOGA STUDIOS | WEIGHT & LOCKER ROOMS |
| POOLSIDE WALKWAYS | SPORTS FACILITIES AND ARENAS | INLAID FLOOR GRAPHICS |
| ARCHITECTURAL DESIGN ELEMENTS | HEALTH & FITNESS CENTERS | HOSPITALITY AREAS |

INFINITE DESIGN & COLOR OPTIONS

Ultimate RB's rolled rubber is manufactured via a process called "skiving." In the first stage of this process, the ingredients are molded into a large cylindrical form. Then this cylinder is skived (i.e. peeled) into rolls of various dimensions on a very precise, computer-controlled cutting system. By changing the quantity and variety of materials used in molding the cylinders we can create rolls with different appearances and physical characteristics.



SWATCH No. 609
 SPRING THAW
 View pg 5-6 for standard colors



ULTIMATE FIT-TILES

Ultimate Fit-Tile is an exceptionally attractive, radius-edged tile product for upscale fitness centers and clubs. These 1” thick tiles are interlocking and available in an unlimited range of colors. The ease-of-maintenance, anti-fatigue, resilience, sound and shock absorption qualities and portability make these tiles ideal for any upscale install. As no adhesives are required for installation, Ultimate Fit-Tiles can be removed and installed again and again. They are available in various sizes and thicknesses to suit numerous applications.

CUSTOMIZE YOUR FLOOR DESIGN WITH INLAID GRAPHICS & LOGOS

Looking to add an instant impact to a room or entrance-way? Ultimate RB can effectively enhance your resilient floor presentation with a custom logo, powerful message, unique pattern, or bold shape. Build school spirit and corporate pride with a college mascot, university motto, or brand logo. Quickly direct people through airports using colorful wayfinding floor graphics. Keep pools and water parks safe with inlaid caution symbols and text. Architects and designers can create dynamic floor patterns and shapes for use in libraries, day care centers, and

corporate meeting rooms. Ultimate RB’s cutting technology can provide an endless number of design options for any of its recycled rubber flooring products. Each piece of your design is precision cut using state-of-the-art equipment. Precise cutting tolerances ensure your design will reassemble with no gaps and provide smooth transitions between rubber colors. Push your creativity to the max with custom inlaid logos and shapes from Ultimate RB today!



ULTIMATE INLAID GRAPHICS APPLICATIONS

- | | |
|--|---|
| WEIGHT ROOM MASCOT LOGOS | FITNESS BRAND LOGOS |
| HIGH SCHOOL GYM LOGOS & SLOGANS | ANIMAL DESIGNS FOR DAY CARE PLAY AREAS |
| UNIVERSITY NAMES & SYMBOLS | WATER & THEME PARK FLOORING LOGOS |
| BOLD PATTERNS & SHAPES FOR LIBRARIES | ARCHITECTURAL DESIGN FLOORING MOTIFS |
| POOLSIDE CAUTION OR ALERT SYMBOLS & TEXT | WAYFINDING FLOOR GRAPHICS & DIRECTION SYMBOLS |

THE ULTIMATE FLOORING FOR HIGH IMPACT USE



ULTIMATE TOUGH APPLICATIONS

- | | |
|-------------------------|----------------------|
| WEIGHT ROOMS & GYMS | CONCESSION AREAS |
| MULTI-PURPOSE ROOMS | ROOFTOP WALKWAYS |
| DANCE STUDIOS | ICE RINK WALKWAYS |
| JUNGLE GYM & PLAY AREAS | FACTORY FLOORS |
| LOCKER ROOMS | MACHINERY ROOMS |
| SCHOOL CAFETERIAS | GOLF & COUNTRY CLUBS |

ULTIMATE TOUGH ROLLS & TILES

Popular in health and fitness chains, weight rooms and ice rinks, Ultimate Tough recycled rubber flooring is a champion in a wide variety of applications. Available in rolls or tiles, Ultimate Tough is ideal for high-wear and high-impact spaces that require maximum subfloor protection. Home gyms, weight rooms, and basements all benefit from durable rubber tile. Manufactured from post-consumer SBR tire buffings with small percentages of colored EPDM, Ultimate Tough is the recommended choice for high-traffic active spaces. Ultimate Tough features a dense rubber core that provides excellent high-impact durability and superior slip resistance in wet or dry conditions. Ultimate Tough also combines anti-fatigue and ergonomic comfort properties with very low maintenance. Containing up to 92% recycled content range and low VOC emissions, Ultimate Tough is widely regarded as the premier “green” resilient flooring choice. It is available in rolls and interlocking and square tiles, and comes in 7 standard colors in variable thicknesses. Custom colors are also available.

ULTIMATE RB ZIP-TILES

Flooring in athletic facilities must stand up to a variety of special demands ranging from the punishment of free weights to the shearing effect of ice skates. It must also provide noise reduction and a comfortable surface for the athletes. Recycled rubber flooring meets all these requirements. Ultimate Tough RB Zip-Tiles offer superior durability, resilience, sound absorption, spike resistance and traction. These tiles are engineered so precisely that the intricate interlocking pattern nearly disappears as the tiles are installed. The result is the appearance of a monolithic surface, accomplished with the ease of installing interlocking tiles. The unique tab design holds the tiles together securely without the need of expensive adhesives, tapes or the labor to apply them. The Ultimate RB Zip-Tiles can also be disassembled and re-assembled time and again without damaging the tiles.

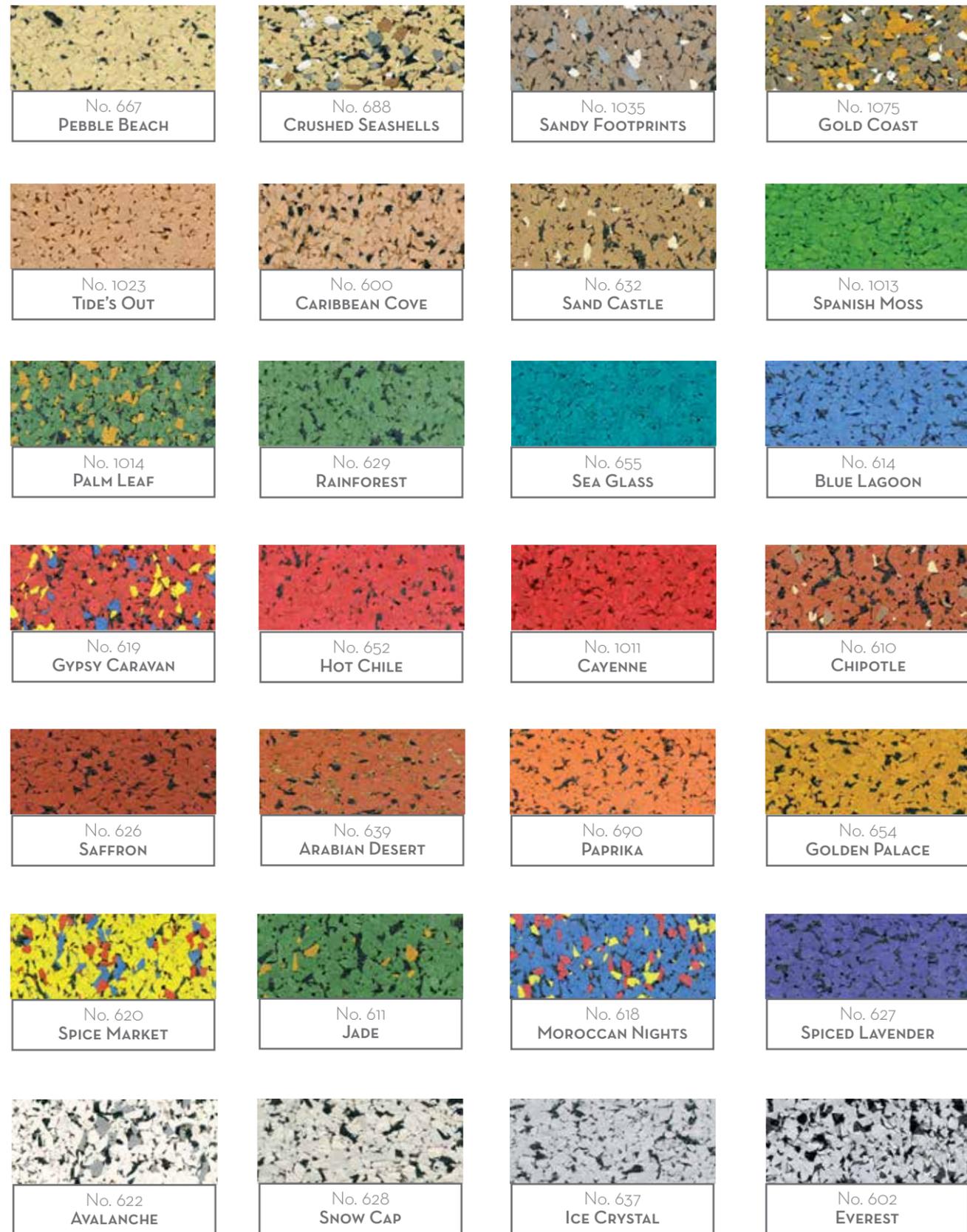


ULTIMATE TOUGH APPLICATIONS

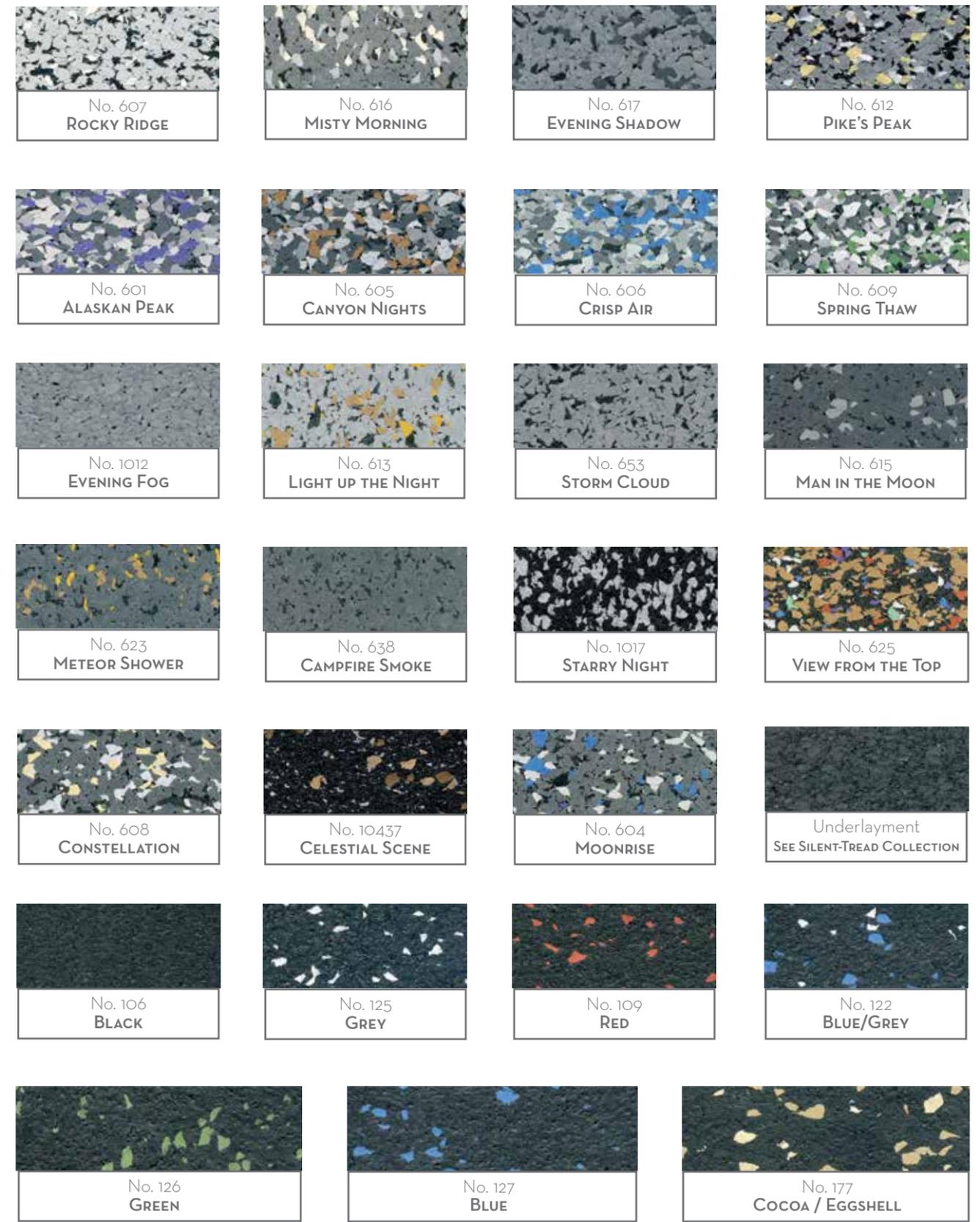
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|-------------------------|------------------|
| ANTI-FATIGUE MATS | RAMPS & INCLINES |
| HOME GYM FLOORING | BASEBALL AREAS |
| SKI & SNOWBOARD SHOPS | HOSPITALS |
| KARATE/KICKBOXING DOJOS | SCHOOLS |
| STATIONARY BIKE MATTING | TRAILERS |

See [Nightscapes Collection](#) for samples

Ultimate RB maintains an inventory of stock colors that can be cut to your specifications for quick turnaround.



Actual color of physical product may vary.



Actual color of physical product may vary.

ULTIMATE TOUGH SPECIFICATIONS



ULTIMATE TOUGH SPECIFICATIONS

TEST TYPE	ASTM	COLOR	BLACK
SHORE HARDNESS	D-2240	60 +/- 5	60 +/- 5
DENSITY	D-792	65 LBS./CU.FT.	60 LBS./CU.FT.
ELONGATION (AT BREAK)	D-412	100%	85-125%
TENSILE STRENGTH	D-412	250 PSI	250 PSI
TABER ABRASION	D-3884	0.47	0.45
FLAME SPREAD	E-84	135	135
SMOKE DENSITY	E-84	< 450	< 450
COMPRESSION SET	D-395	8.4%	< 12%
VOC EMISSIONS	D-5116	0.5 MG/M ² OR LESS	0.5 MG/M ² OR LESS
RESISTANCE TO CHEMICALS	F-925-02	NO CHANGE	NO CHANGE
STATIC LOAD LIMIT	F-970	-0.001 IN	-0.001 IN
ELECTROSTATIC PROPENSITY	AATCC 134-1996	NEG 0.4 KV	----
DIE- C TEAR	D-624	70 LB/IN	95 PPI
COEFFICIENT OF FRICTION	D-1894-95	----	WET 1.2 DRY 1.2

Physical properties can vary by product type. Information above applies to this product only.



INTERLOCKING TILE DIMENSIONS

TILE SIZES	*THICKNESS
Interlocking 18" X 18" (0.4572M ²) +/- 0.078" 24" X 24" (0.61M ²) +/- 0.078" 36" X 36" (0.91M ²) +/- 0.078" 48" X 48" (1.2192M ²) +/- 0.078"	Standard: .134 IN (3.4MM) TO .472 IN (12MM)
Square 18" X 18" (0.4572M ²) +/- 0.078" 24" X 24" (0.61M ²) +/- 0.078" 36" X 36" (0.91M ²) +/- 0.078" 48" X 48" (1.2192M ²) +/- 0.078"	TOLERANCE +/- 0.020"
	COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)
	BLACK SBR GRANULATE 0.5 IN (12.7MM)
	BINDER URETHANE

*CUSTOM AVAILABLE.



ROLL DIMENSIONS

*WIDTH	*LENGTH
Standard: 4 FT. (1.22M)	Standard: 25 FT. (7.62M) & 50 FT. (15.24M)
WIDTH TOLERANCES 48" CUT @ 48.5" +/- 0.24"	COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)
*THICKNESS Standard: .134 IN (3.4MM) TO .472 IN (12MM)	BLACK SBR GRANULATE 0.5 IN (12.7MM)
TOLERANCE +/- 0.020"	BINDER URETHANE

The color concentration of the standard rolls and tiles is 20%.

*CUSTOM AVAILABLE * 3 FT. (.91M) AVAILABLE AS CUSTOM WIDTH

ULTIMATE RB ZIP-TILE SPECIFICATIONS



RB ZIP-TILE SPECIFICATIONS

TEST TYPE	ASTM	RESULT
SHORE HARDNESS	D-2240	65
DENSITY	D-3676	60 LBS./CU.FT.
ELONGATION (AT BREAK)	D-412	80%
TENSILE STRENGTH	D-412	322 PSI
SHEARING STRENGTH	----	<0.60
CHEMICAL BEHAVIOR	----	NEUTRAL
DIE-C TEAR	D-624	81 PPI
COEFFICIENT OF FRICTION	D-1894	WET 0.93 DRY 0.98

Physical properties can vary by product type. Information above applies to this product only.



RB ZIP-TILE DIMENSIONS

TILE SIZES	TOLERANCE
Interlocking 28.5" X 28.5" (0.7239M X 0.7239M)	+/- 0.020"
*THICKNESSES Standard: 0.3125 IN (8MM) & 0.375 IN (9.5MM)	COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)
	BLACK SBR GRANULATE 0.5 IN. (12.7MM)
	BINDER URETHANE

*CUSTOM AVAILABLE.

All of Ultimate RB's rubber products contain at least 92% recycled rubber material, manufactured in the USA in our ISO 9001 registered facilities, and they are all covered by our industry leading Limited Warranties.

ULTIMATE DESIGN SPECIFICATIONS



ULTIMATE DESIGN SPECIFICATIONS

TEST TYPE	ASTM	RESULT
SHORE HARDNESS	D-2240	60 +/- 5
DENSITY	D-792	80 LBS./CU.FT.
ELONGATION (AT BREAK)	D-412	300%
TENSILE STRENGTH	D-412	200 PSI
TABER ABRASION	D-3884	2.34
FLAME SPREAD	E-84	65
SMOKE DENSITY	E-84	< 450
COMPRESSION SET	D-395	9.7%
VOC EMISSIONS	D-5116	0.5 MG/M ² OR LESS
RESISTANCE TO CHEMICALS	F-925-02	NO CHANGE
STATIC LOAD LIMIT	F-970	-0.001 IN
ELECTROSTATIC PROPENSITY	AATCC 134-1996	NEG 0.6 KV
CRITICAL RADIANT FLUX	E-648 0.52	W/CM2

Physical properties can vary by product type. Information above applies to this product only.



TILE DIMENSIONS

TILE SIZES	*THICKNESS
Interlocking 18" X 18" (0.4572M ²) +/- 0.078" 24" X 24" (0.61M ²) +/- 0.078" 36" X 36" (0.91M ²) +/- 0.078" 48" X 48" (1.2192M ²) +/- 0.078"	Standard: 3.4MM (.134 IN), 4MM (.157 IN), 6MM (.236 IN),8MM (.300 IN), 9MM (.354 IN), 9.5MM (.375 IN)
Square 24" X 24" (0.61M X 0.61M) 36" X 36" (0.91M X 0.91M) 36" X 36" (0.91M ²) +/- 0.078" 48" X 48" (1.2192M ²) +/- 0.078"	TOLERANCE +/- 0.020"
	COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)
	BINDER URETHANE

*CUSTOM AVAILABLE.



ROLL DIMENSIONS

*WIDTH	*LENGTH
Standard: 4 FT. (1.22M)	Standard: 25 FT. (7.62M) & 50 FT. (15.24M)
WIDTH TOLERANCES 36" CUT @ 36.5" +/- 0.24" 48" CUT @ 48.5" +/- 0.24"	COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)
*THICKNESS Standard: 3.4MM (.134 IN), 4MM (.157 IN), 6MM (.236 IN),8MM (.300 IN), 9MM (.354 IN), 9.5MM (.375 IN)	BINDER URETHANE
TOLERANCE +/- 0.020"	
*LENGTH Standard: 25 FT. (7.62M) & 50 FT. (15.24M)	
COLORED EPDM GRANULATE 0.0394 IN (1MM) TO .1181 IN (3MM)	
BINDER URETHANE	

*CUSTOM AVAILABLE

* 3 FT (.91M) AVAILABLE AS CUSTOM WIDTH



UNDERLAYMENT SPECIFICATIONS

ITEM	TEST	STANDARD	RATING
DENSITY	LBS./CU.FT.	ASTM 3574	49.3
COMPRESSION RESISTANCE	@25% (CFD)	ASTM D3574	65
COMPRESSION SET	@25%	*ASTM D3574	14
FLAMABILITY	PILL TEST	CPSC STD. FF 1-70	PASSED
R-VALUE	RESISTANCE	ASTM C518	.14
TENSILE STRENGTH	PSI	ASTM D412	129

*at 78° for 22 hours (%)

Expert advice and sound testing data available upon request.

Physical properties can vary by product type. Information above applies to this product only.



ULTIMATE RB MINIMUM RECYCLED RUBBER CONTENT

ULTIMATE DESIGN	MINIMUM RECYCLED RUBBER CONTENT	PRE-CONSUMER	POST CONSUMER
25% COLOR	84%	3%	81%
30% COLOR	82%	4%	78%
35-40% COLOR	79%	5%	74%
43-50% COLOR	51%	5%	46%
55-60% COLOR	64%	9%	55%
70% COLOR	40%	13%	57%
75-80% COLOR	36%	18%	18%
85-90% COLOR	28%	19%	9%
95-100% COLOR	21%	21%	0%

Ultimate RB Design resilient rubber flooring products conform to the Collaborative for High Performance Schools (CHPS) - CA Section 01350 specifications.

ULTIMATE RB SILENT-TREAD UNDERLAYMENT

Silent-Tread is an acoustical underlayment designed to dramatically reduce sound transmission within a room and floor to floor. When installed in a properly designed flooring system, Silent-Tread can enable a building to meet and exceed national building code and sound reduction requirements. Silent-Tread is the superior choice for high-rises, office buildings, hotels, multi-family or simply for the personal comfort of the homeowner. In head-to-head testing for sound reduction, Silent-Tread outperformed the competition in actual field installations. Its dense recycled rubber granules provide superior compression resistance so you can enjoy its benefits much longer than with most other underlayments.

Solid rubber is, without a doubt, the most resilient underlayment available. In fact, 2mm of rubber underlayment is equal to 6mm of the next best performing underlayment which is cork.



The only effective way to isolate impact noise and reduce sound transmission between floors is to use an underlayment that can properly dampen. Rubber underlayment will always perform better than the rest.

See *Silent-Tread Collection* for samples



UNDERLAYMENT APPLICATIONS

- CONDO/APARTMENTS
- RESIDENTIAL & COMMERCIAL
- HOSPITAL FLOORING
- SCHOOLS & THEATERS
- RESTAURANT FLOORING
- HARDWOOD COURTS

CERTIFIED GREEN AND MAKING A DIFFERENCE

Ultimate RB's recycled rubber flooring and rubber underlayment products are manufactured using high concentrations of post-industrial and post-consumer recycled materials. Vibrant colored EPDM granules consist of 28% post-industrial recycle, and black SBR consists entirely of post-consumer material from discarded tires.

Ultimate RB's resilient flooring and underlayment product lines contain some of the highest - if not the highest - recycled content percentages in their respective categories. The Ultimate Design product line contains recycled content ranging from 31% to 57%. Ultimate Tough products contain up to 92%. Silent-Tread underlayment has the highest recycled content percentage at a noteworthy 94%. Each year, Ultimate RB prevents millions of tons of scrap tire rubber from filling landfills and polluting the



Ultimate RB Flooring is FloorScore® Certified and CHCS compliant.

For more information on the FloorScore certification program, the Scientific Certification System, or CHPS, visit these online resources:

WWW.RFCI.COM • WWW.SCSCERTIFIED.COM • WWW.CHPS.NET

environment. Every day, Ultimate RB helps to reduce America's carbon footprint through its state-of-the-art manufacturing processes. Tire by tire, Ultimate RB is making a difference.

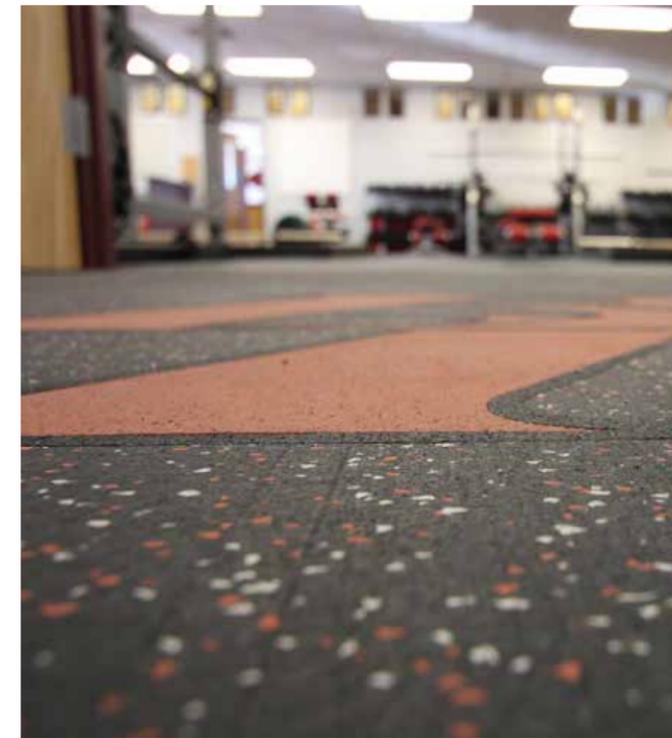
Ultimate RB's sustainable flooring and underlayment may contribute to multiple LEED credits under the U.S. Green Building Council rating systems. For more information on this topic, visit the U.S. Green Building Council web site at www.usgbc.org.

STORAGE & INSTALLATION



Ultimate RB recommends storing rolls on their side, and storing stacked tiles flat at a minimum of 55 degrees Fahrenheit with less than 50% humidity. Do not store rolls on end or tiles on the edge. Ultimate Design roll products can be installed using standard commercial resilient flooring installation practices. Subfloor surfaces should not vary more than 1/8" in 10 feet. Orders for more than one roll of rubber will be marked with letters (i.e. "A," "B," "C") to insure that each roll is positioned correctly during installation. Roll "A" should be positioned next to roll "B" and so on. If rubber rolls are installed out of sequence, each roll could potentially result in undesirable seam gaps.

Ultimate RB suggests using an approved quality adhesive with a urethane base for permanent installation of its rubber flooring products. Ultimate RB manufactures Ultimate Design tiles for each project in one shade-pattern-lot number as close as possible to the sample color. Since minor variations are inherent in resilient flooring products, it is highly recommended that the tiles be mixed during the dry fit process to create the most desirable appearance. For recommended flooring adhesives, visit www.UltimateRB.com



CLEANING & MAINTENANCE

Maintenance and floor care depends on the desired appearance of the installed product and the type of equipment used to maintain the flooring. We carry a complete line of cleaning products and sealer for the flooring and tile products. For specific recommendations, visit www.UltimateRB.com.

WARRANTIES

Ultimate RB warrants its rubber flooring products to be free of manufacturing defects in MATERIAL ONLY for a period of one year. Liability is limited to replacement of product to the original consumer.

Skive or knife marks on the product is an inherent characteristic of using recycled rubber and will not be viewed as an appropriate reason for rejecting the final finished product. Every effort is made in the manufacture of rubber flooring products for consistency of size, color and density within a given lot number. Slight variations can occur from lot number to lot number.

Ultimate RB reserves the right, under its Continuous Improvement Policy, to change construction or design details and furnish product when so altered without reference to illustrations or specifications used herein.

FPO

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Cover separate file!

One cover image - wraps front and back



ISO 9001
QUALITY
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UKAS
MANAGEMENT
SYSTEMS

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ULTIMATE RB
AN ACCELLA COMPANY

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floor
score



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