



9319 N 94<sup>th</sup> Way #1000  
Scottsdale, AZ 85258  
(480) 949-8509 • (800) 825-1221  
FAX (480) 945-2603 • (866) 553-8892  
<http://www.continentalflooring.com>

City of Tempe  
Lisa Goodman  
Financial Service/Procurement Office  
20 E. Sixth Street, 2<sup>nd</sup> Floor  
Tempe, Arizona 85281

Ms. Goodman,

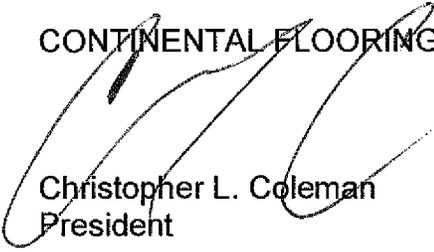
We have submitted two offers for this project. The first offer is based on the specified 3/8" thick Donoflex interlocking tiles in the standard colors with a 10% color fleck added. Descriptive literature is enclosed. Samples of this product in any color you may wish to see can be immediately delivered upon your request.

The second offer is on an equal product manufactured by Ecore Everlast flooring. This product is an 8 millimeter thick (close equivalent to 3/8") interlocking tile also available in a range of standard colors with 10% color fleck added. Descriptive literature for this product is enclosed. Samples of this product in any color you may wish to see can be immediately delivered upon your request.

Both products have a substantial percentage of their composition from recycled materials and appear to meet the requirements for your clause 30 of the solicitation regarding a 5% preference given to recycled content goods

Sincerely,

CONTINENTAL FLOORING COMPANY



Christopher L. Coleman  
President

## Proposal Checklist for Submittals

- X  One signed and complete original of the proposal response, including "Vendor's Proposal Offer" (Form 201-B).
- X  Two (2) copies of your submittal are included.
- X  Proposal Questionnaire has been completed and included.
- X  Price Information completed and included.
- X  Any addendum(s) have been included.
- X  Copies of applicable State of Arizona Contractors' licenses are included.
- X  References are included.
- X  Descriptive literatures for all proposed materials are included.
- X  Project's projected timeline is included.

Continental Flooring Company  
9319 N. 94th Way Suite 1000  
Scottsdale, AZ 85258  
1-800-825-1221

**Vendor's Offer**  
Form 201-B (RFP)  
"Return this Section with your Response"

It is required that Offeror complete, sign and submit the original of this form to the City Procurement Office with the proposal response. An unsigned "Vendor's Offer", late proposal response and/or a materially incomplete response will be considered nonresponsive and rejected.

Offeror is to type or legibly write in ink all information required below.

Company Name: <u>Continental Flooring Company</u>		
Company Mailing Address: <u>9319 N. 94th Way, Suite 1000</u>		
City: <u>Scottsdale</u>	State: <u>Arizona</u>	Zip: <u>85258</u>
Contact Person: <u>Laura Kuligowska</u>		Title: <u>Sales Representative</u>
Phone No.: _____	FAX: <u>480.945.2603</u>	E-mail: <u>laurak@continentalflooring.com</u>
<b>Company Tax Information:</b>		
Arizona Transaction Privilege (Sales) Tax No.: <u>07-218995-J</u>		or
Arizona Use Tax No.: _____		
Federal I.D. No.: <u>86-0369902</u>		
City & State Where Sales Tax is Paid: <u>Scottsdale, Arizona</u> , _____		
If a Tempe based firm, provide Tempe Transaction Privilege (Sales) Tax No.: _____		

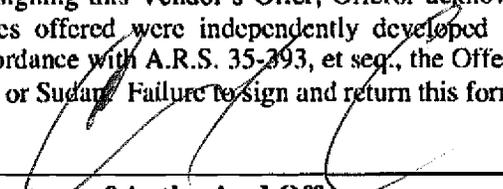
**THIS PROPOSAL IS OFFERED BY**

Name of Authorized Individual (TYPE OR PRINT IN INK) Christopher L. Coleman

Title of Authorized Individual (TYPE OR PRINT IN INK) President

**REQUIRED SIGNATURE OF AUTHORIZED OFFEROR (MUST SIGN IN INK)**

By signing this Vendor's Offer, Offeror acknowledges acceptance of all terms and conditions contained herein and that prices offered were independently developed without consultation with any other Offeror or potential Offeror. In accordance with A.R.S. 35-393, et seq., the Offeror hereby certifies that it does not have scrutinized business operations in Iran or Sudan. Failure to sign and return this form with proposal response will be considered nonresponsive and rejected.

  
\_\_\_\_\_  
Signature of Authorized Offeror

6/26/13  
\_\_\_\_\_  
Date

(11/RFP 3-2008)

# Addendum to Solicitation



City Procurement Office/City of Tempe • PO Box 5002 • 20 East 6th Street • Tempe, AZ 85280 • (480) 350-8324 • www.tempe.gov/procurement

This addendum will modify and/or clarify:

Solicitation No.: | 14-006

and is

Addendum No. | 1

Date: | 6/18/2013

Procurement Description: | Weight Room Floor Replacement – Diablo Stadium

## Additional Information Included with this Addendum

1. Exhibit A – Pre-Proposal Conference Attendance List
2. Exhibit B - Results from the moisture test for the Minor League weight room floor.

## Changes to the RFP

1. Proposal Questionnaire (pages 27 and 28 in the RFP) is replaced with the Proposal Questionnaire (Revised 6/18/13) included with this Addendum. Vendors are to return the revised questionnaire in their proposal response.
2. Evaluation Criteria (page 30 in the RFP) is replaced with a new page Evaluation Criteria (Revised 6/18/13) included with this Addendum.

The balance of the specifications and bid solicitation instructions to remain the same. Bidders/Proposal Offerors are to acknowledge receipt and acceptance of this addendum by returning of signed addendum with bid/proposal response. Failure to sign and return an addendum prior to bid/proposal opening time and date may make the bid/proposal response non-responsive to that portion of the solicitation as materially affected by the respective addendum.

Continental Flooring Company

NAME OF COMPANY

9319 N. 94th Way, Suite 1000

ADDRESS (or PO Box)

Scottsdale, Arizona 85258

CITY

STATE ZIP

Christopher L. Coleman, President

BY NAME (please print) TITLE

480.949.8509

TELEPHONE

AUTHORIZED SIGNATURE

**Proposal Questionnaire (Revised 6/18/13)**  
**"Return this Section with your Response"**

**Firm's Experience**

1. Years in business under present name: 34+ Years performing work specialty: 34+
2. List current, valid, State of Arizona contractors' licenses applicable to this scope of work. A copy of each license must be included with your response.

Attached  
\_\_\_\_\_  
\_\_\_\_\_

3. Has your firm ever been declared in default of any contract? Yes  No
4. Within the past three (3) years, has your firm filed for reorganization, protection from creditors, or dissolution under the bankruptcy statutes? Yes  No
5. References – provide three references from customers you have provided a similar scope of work to in the past three years.

**Reference #1**

Organization Name: Attached Telephone #: \_\_\_\_\_  
Contact Name: \_\_\_\_\_ Email: \_\_\_\_\_  
Scope of Work Provided: \_\_\_\_\_  
Project Dollar Value: \_\_\_\_\_ Present Contract Status: \_\_\_\_\_  
Contract Dates: \_\_\_\_\_

**Reference #2**

Organization Name: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
Contact Name: \_\_\_\_\_ Email: \_\_\_\_\_  
Scope of Work Provided: \_\_\_\_\_  
Project Dollar Value: \_\_\_\_\_ Present Contract Status: \_\_\_\_\_  
Contract Dates: \_\_\_\_\_

**Reference #3**

Organization Name: \_\_\_\_\_ Telephone #: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Email: \_\_\_\_\_

Scope of Work Provided: \_\_\_\_\_

Project Dollar Value: \_\_\_\_\_ Present Contract Status: \_\_\_\_\_

Contract Dates: \_\_\_\_\_

6. Do you intend to utilize sub-contractors?      Yes  \_\_\_\_\_ No \_\_\_\_\_

If yes, list firm name, address, contact name, phone number and service they will perform. Attached

7. Provide your firm's warranty for the flooring to include the product and workmanship. Attached

8. Do you agree to the Terms and Conditions of this RFP?      Yes  \_\_\_\_\_ No \_\_\_\_\_

9. State the project completion timeline from the date of award tentatively set for July 30, 2013.  
Beginning around the first of September and completed in mid-September.

10. Can you complete the project per the City's timeline beginning around the first of September and being completed in mid-September?      Yes  \_\_\_\_\_ No \_\_\_\_\_

11. Provide descriptive literature for all materials being proposed for the City to evaluate. Attached

12. Describe how your firm will address the high humidity of the substrate as reported in Exhibit B. Describe in detail the method of approach your firm will use to install the new flooring. Why is this the best method and application for the reported level of humidity?

Moisture control effectiveness is comprised of two components, a quality product, and a proper installation. For this project, you have selected the Epocoat Vapor Shield product by Key Resin. In discussions with their representatives they indicate their product is effective in controlling moisture levels as you have indicated on your report.

While other products exist in the marketplace that will also be effective in this type of environment, Continental Flooring intends to use the specified product and install it as directed by the manufacturer. The proper installation requires shot blasting of the concrete, installation of prime coat and then a second installation of a body coat of the Epocoat product. The second body coat also requires the use of sand as a filler. With interlocking tiles then being installed over the top, no additional floor preparation will likely be required at this point. The system should be installed complete.

As indicated, there are other systems on the market to handle this type of moisture in concrete. Procuring quality products, with a history of successful performance and backed by a company with solid warranties on their product is vital in selecting the right product and the right system to solve the moisture problems that are present.

IMPORTANT NOTICE

YOU MUST:

- REPORT DISSOCIATION OF QUALIFYING PARTY **IN WRITING** WITHIN 15 DAYS.  
[SEE A.R.S. § 32-1154(A)(19) AND § 32-1151.01]
- REPORT A CHANGE OF ADDRESS **IN WRITING** WITHIN 30 DAYS.  
[SEE A.R.S. § 32-1151(B)(1)]
- REPORT ANY TRANSFER OF OWNERSHIP OF 50% OR MORE IMMEDIATELY.  
[SEE A.R.S. § 32-1151.01]
- REPORT ANY CHANGE OF LEGAL ENTITY SUCH AS ANY CHANGE IN THE OWNERSHIP IN SOLE PROPRIETORSHIP OR CHANGE OF A PARTNER IN A PARTNERSHIP OR THE CREATION OF A NEW CORPORATE ENTITY.  
[SEE RULE R-4-9-110]

Continental Flooring Company

9319 N 94th Way  
Ste 1000  
Scottsdale, AZ 85258-5568

**THIS IS YOUR IDENTIFICATION CARD  
DO NOT DESTROY**



LICENSE EFFECTIVE THROUGH: 12/31/2013  
STATE OF ARIZONA  
Registrar of Contractors CERTIFIES THAT  
Continental Flooring Company



CONTRACTORS LICENSE NO 85121 CLASS L-8

Floor Covering

THIS CARD MUST BE  
PRESENTED UPON DEMAND

*William A. Mundell*  
DIRECTOR, ARIZONA REGISTRAR OF CONTRACTORS



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<http://www.continentalflooring.com>

## RUBBER TILE FLOORING REFERENCES

City of Surprise  
Interlocking Rubber Flooring ~ \$41,813.00  
Jim Mallon, Operations Manager  
623-222-2220 [jim.mallon@surpriseaz.com](mailto:jim.mallon@surpriseaz.com)

Texas Rangers  
Interlocking Rubber Flooring ~ \$10,000.00  
Richard "Hoggy" Price  
817-273-5045 [rprice@texasrangers.com](mailto:rprice@texasrangers.com)

Beede Swim & Fitness  
Rubber tiles ~ \$38,230.00  
Jan McCulloch  
978-287-1014

## SUBCONTRACTORS

Alpha Flooring ~ Jessie Rowley  
241 E. Silvercreek Road  
Gilbert, Arizona 85296 ~ 602-769-1567

Epoxy Coatings Technicians, LLC ~ Mike Ginea  
21420 N> 14<sup>th</sup> Avenue, Suite 3, Phoenix, Arizona 85027  
623-587-5562

## Continental Flooring Company

### Flooring References

Updated September 2012

Customer Name	Location	Materials Installed	Project Completion Date	Contract Amount	Contact Name	Contact Number
Travis AFB	Travis AFB, CA	Various Flooring Projects	Dec-12	\$300,000.00	Joel Ambien	707-424-2706
Eastern Carolina Reg. HA	Roseboro, NC	Installation of VCT	Sep-12	\$84,622.00	Robin Lancaster	919-735-0435
Army National Guard	Gulfport, MS	Carpet, VCT and Base	Aug-12	\$398,300.00	Dennis Shadwell	228-323-0207
Town of Maynard	Maynard, MA	VCT and Cove Base	Jul-12	\$160,635.85	Gregg Lefter	978-897-1308
City of Lowell	Lowell, MA	Install VCT	Jul-12	\$177,665.59	Jay Lang	978-479-8794
SSA Administration	Philadelphia, PA	Shaw Carpet Tiles	Dec-11	\$265,380.00	Barry Ellis	215-597-8204
California State University	Hayward, CA	Carpet and sheet vinyl	Sep-11	\$587,888.00	Keat Saw	510-885-3968
North Carolina AT & T Univ	Greenboro NC	Floor Folio VCT	Jul-11	\$214,810.00	James Shell	336-285-4582
County of San Joaquin	Stockton, CA	Carpet and VCT	Apr-11	\$894,396.30	Gabrial Karam	209-468-3357
Hampton Redevelopment and HA	Hampton, VA	Sheet Vinyl, Vinyl Base	Nov-10	\$207,600.00	Karen Gelhaar	757-727-1521
Springdale Housing Authority	Springdale, AR	Armstrong VCT	Nov-10	\$333,830.00	Randy Hoeschen	901-867-7800
SSA	Philadelphia, PA	Shaw Carpet Tile	Aug-10	\$238,083.00	Jan Carter	215-597-8205
Worcester HA	Worcester, MA	Armstrong VCT & VB	Aug-10	\$188,300.00	Fred Paris	508-635-3304
Hillsborough County Aviation Authority	Tampa, Florida	Carpet and Ceramic	Aug-10	\$1,159,710.66	Rey Bulnes	813-870-7846
Fort Meade VAMC	Rapid City, SD	Amtico LVT & plank	Jun-10	\$268,469.38	Neil Hodges	605-490-8649
State of Rhode Island	Providence RI	Flooring	Jun-10	\$833,336.00	Artie Jochmann	401-222-1285
Sumter HA	Sumter, SC	Flooring	May-10	\$257,837.00	Freddie Hahn	864-223-2049
MATSSC	Philadelphia, PA	Carpet Tiles	Feb-10	\$365,810.00	Janice Carter	215-597-8205
Raleigh County Board of Ed	Beckley, WV	Flooring	Jan-10	\$377,644.00	Racine Thompson	304-256-4500
Jackson Public Schools	Jackson, MI	Abate VAT & new VCT	Jul-09	\$303,031.00	DeJonnette King	601-362-1788

# LABOR WARRANTY

Continental Flooring Company warrants to consumers purchasing installation work in conjunction with the purchase of floor covering materials that such work will be performed in accordance to industry standards, practices, and specifications. If the product purchased should fail as a result of installation error, we will for a period of three years from date of installation, at our option:

- A. Repair affected materials, or
- B. Replace affected materials with the same product, design and color, or if not available, supply an equivalent product of similar cost, color and design, to replace affected areas.

Since successful repair in many circumstances is timely, notice must be given as promptly as is reasonable to do so. If failure to report a specific occurrence contributes to the product failure, coverage under the terms of our warranty may be limited or voided. Notice is to be given to the installation department of Continental Flooring Company within three years from the date of installation.

## THIS WARRANTY DOES NOT COVER:

1. No warranty will apply in lieu of the manufacturer's warranty for product failure or defects caused or resulting from the manufacturer.
2. Dissatisfaction due to improper maintenance.
3. Burns, stains, cuts, scratches, scuffs, gouges, indentations, including lack of or improper floor protectors and furniture rests, or damage caused by other abuse or accident.
4. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor regardless of preventative procedures applied to the sub-floor surface or properties contained in the floor covering materials.
5. Slab cracks or sub-floor movement either past, present, or future in development which results in disruption of the floor materials as originally installed.

This warranty is in lieu of all other express warranties. Continental Flooring Company will not be liable for indirect, special, incidental, consequential, or other damages of any kind, no matter what the cause.

## Pricing Section

"Return this Section with your Response"

ITEM NO.	DESCRIPTION	APPROX. SQ. FT.	COST PER SQ. FT.	EXTENDED PRICE
1.	Cost to replace the weight room flooring in the Minor League Building as specified herein.	4,323	\$ 11.51	\$ 49,757.73
		Dinoflex 3/8" tiles - 10%		
	* Applicable Tax	5.265%		

\* State correct jurisdiction to receive sales tax on the Vendor's Offer, Form 201-B (RFP) included in this Request for Proposal.

Less prompt payments discount terms of 0 % 30 days/ or net thirty (30) days. (To apply after receipt and acceptance of an itemized monthly statement.) For evaluation purposes, the City cannot utilize pricing discounts based upon payments being made in less than thirty (30) days from receipt of statement.

### Ordering and Invoice Instructions

In order to facilitate internal control and accounting, each City Department will order and must be invoiced separately. Monthly invoices must be segregated by City Department number and mailed or delivered directly to the City Customer Department. For most materials, there will be between three (3) and six (6) ordering departments. At the time an order is placed, the Contractor must obtain the ordering department's cost center numbers for billing purposes. The use of the department's cost center numbers will be in addition to the purchase order number. Once a month, the Contractor shall submit a consolidated statement which shall itemize the invoice numbers, invoice date, invoice amounts, and the total amount billed to Accounting. Discount offering will be based upon days from receipt of the consolidated monthly statement. Invoice(s) shall not show previous balances.

Invoices shall include:

1. Listing Of All Delivery/Pickup Receipt Numbers Being Invoiced.
2. Total Cost Per Item.
3. Applicable Tax.
4. Payment Terms.
5. Blanket Purchase Order Number.

Invoices that do not follow the above minimum invoicing requirements will not be paid. Payment must be applied to only invoices referenced on check/payment stub. The City reserves the right to bill contracted vendor for researching invoices that have been paid, but not properly applied by vendor account receivables office.

Continental Flooring Company  
 9319 N. 94th Way Suite 1000  
 Scottsdale, AZ 85258  
 1-800-825-1221

**Pricing Section**

"Return this Section with your Response"

ITEM NO.	DESCRIPTION	APPROX. SQ. FT.	COST PER SQ. FT.	EXTENDED PRICE
1.	Cost to replace the weight room flooring in the Minor League Building as specified herein.	4,323	\$ 10.13	\$ 43,791.99
			Everlast Flooring - 8mm tiles	
	* Applicable Tax <u>5.265%</u>			

\* State correct jurisdiction to receive sales tax on the Vendor's Offer, Form 201-B (RFP) included in this Request for Proposal.

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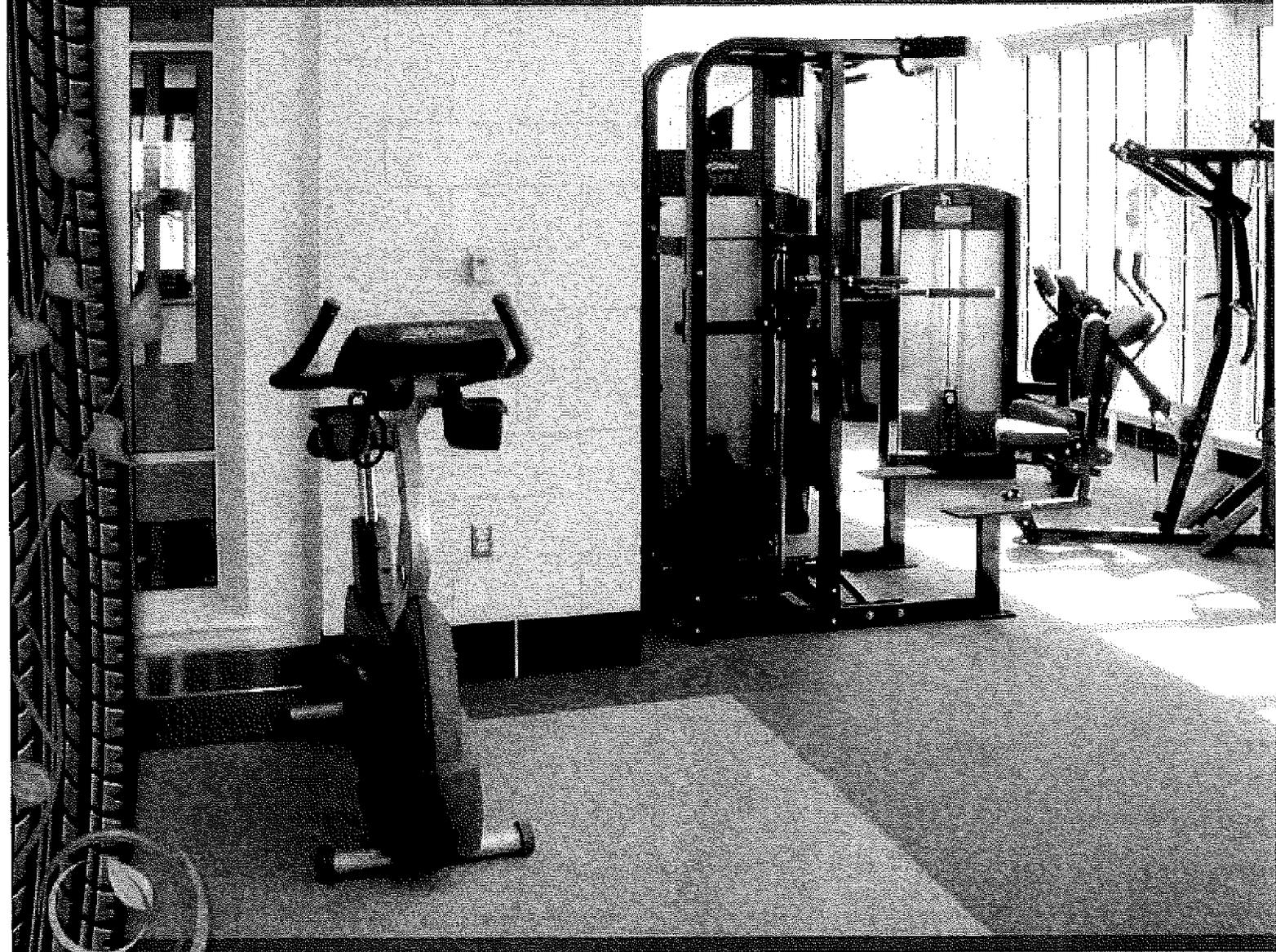
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Continental Flooring Company  
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 1-800-825-1221

# Recycled Rubber Sport Mat Flooring



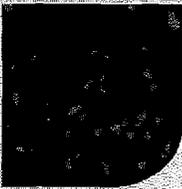
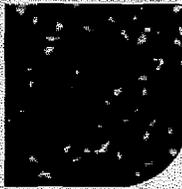
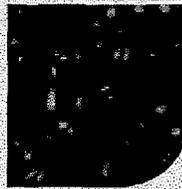
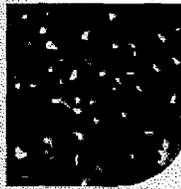
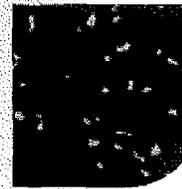
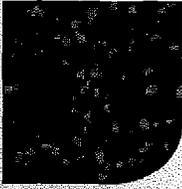
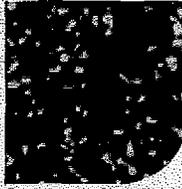
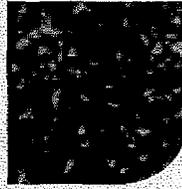
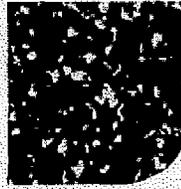
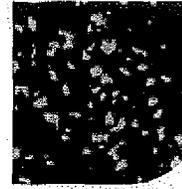
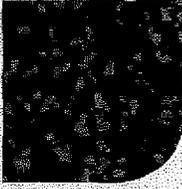
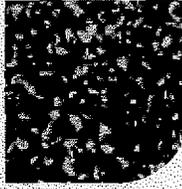
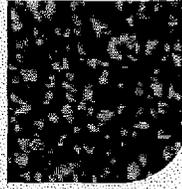
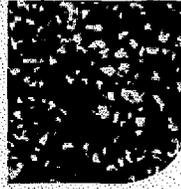
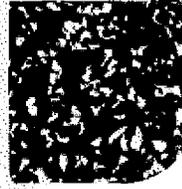
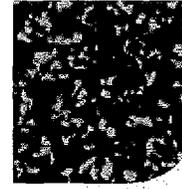
FITNESS CENTERS RECREATION FACILITIES GOLF COURSES SKI RESORTS ICE ARENAS

RECYCLED RUBBER FLOORING

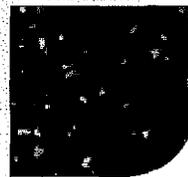


**DINOFLEX<sup>®</sup>**  
RECYCLED RUBBER SURFACES

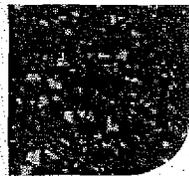
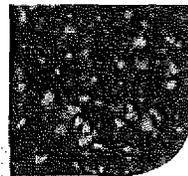
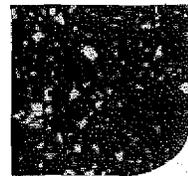
# standard colors

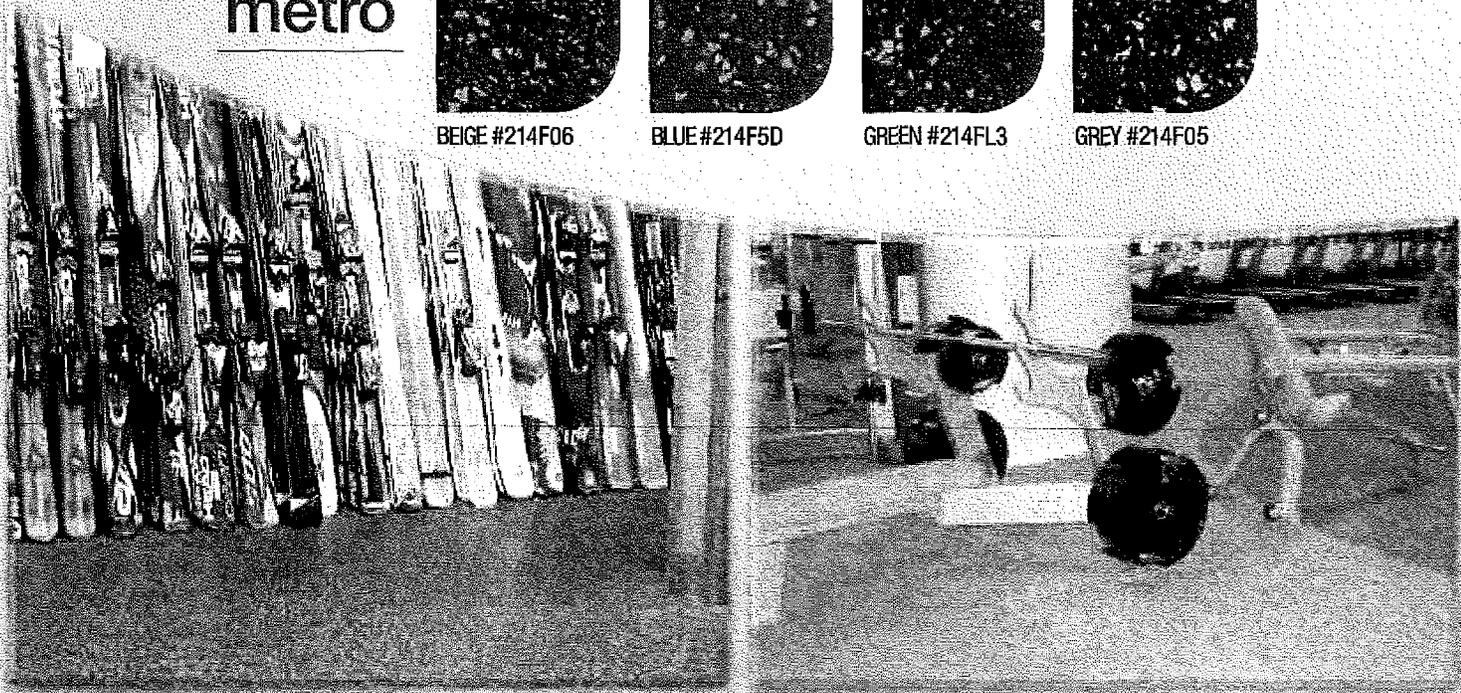
RED	GREEN	BLUE	GREY	BEIGE	BROWN	
						10% Color
#5118	#5119	#5120	#5121	#5122	#5111	
						30% Color
#5318	#5319	#5320	#5321	#5322	#5311	
						50% Color
#5518	#5519	#5520	#5521	#5522	#5511	

## two-color

			
#5125	#5134	#5145	#5148

## metro

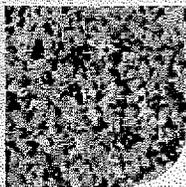
			
BEIGE #214F06	BLUE #214F5D	GREEN #214FL3	GREY #214F05



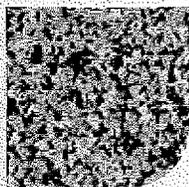
NOTE: Please select color based on actual samples.

## stone line

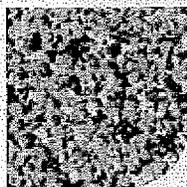
SEA STONE



BLUE  
#5004U7

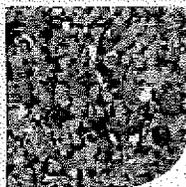


TURQUOISE  
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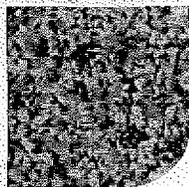


GREEN  
#5004U2

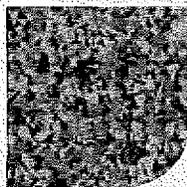
EARTH STONE



BEIGE  
#5004F6

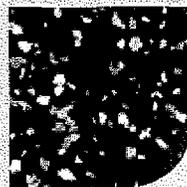


ORANGE  
#5004F9

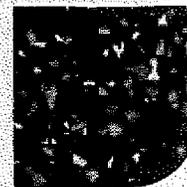


RED  
#5004H3

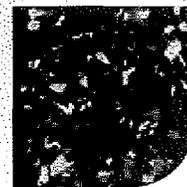
## decor collection



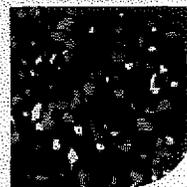
AZTEK EMPIRE  
#5304HE



DEEP SEA  
#5304HB



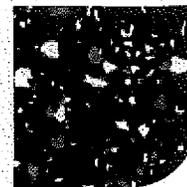
MAYAN SANDS  
#5314H4



INDEPENDENCE  
#5304HA



NIGHT SKY  
#5304U3



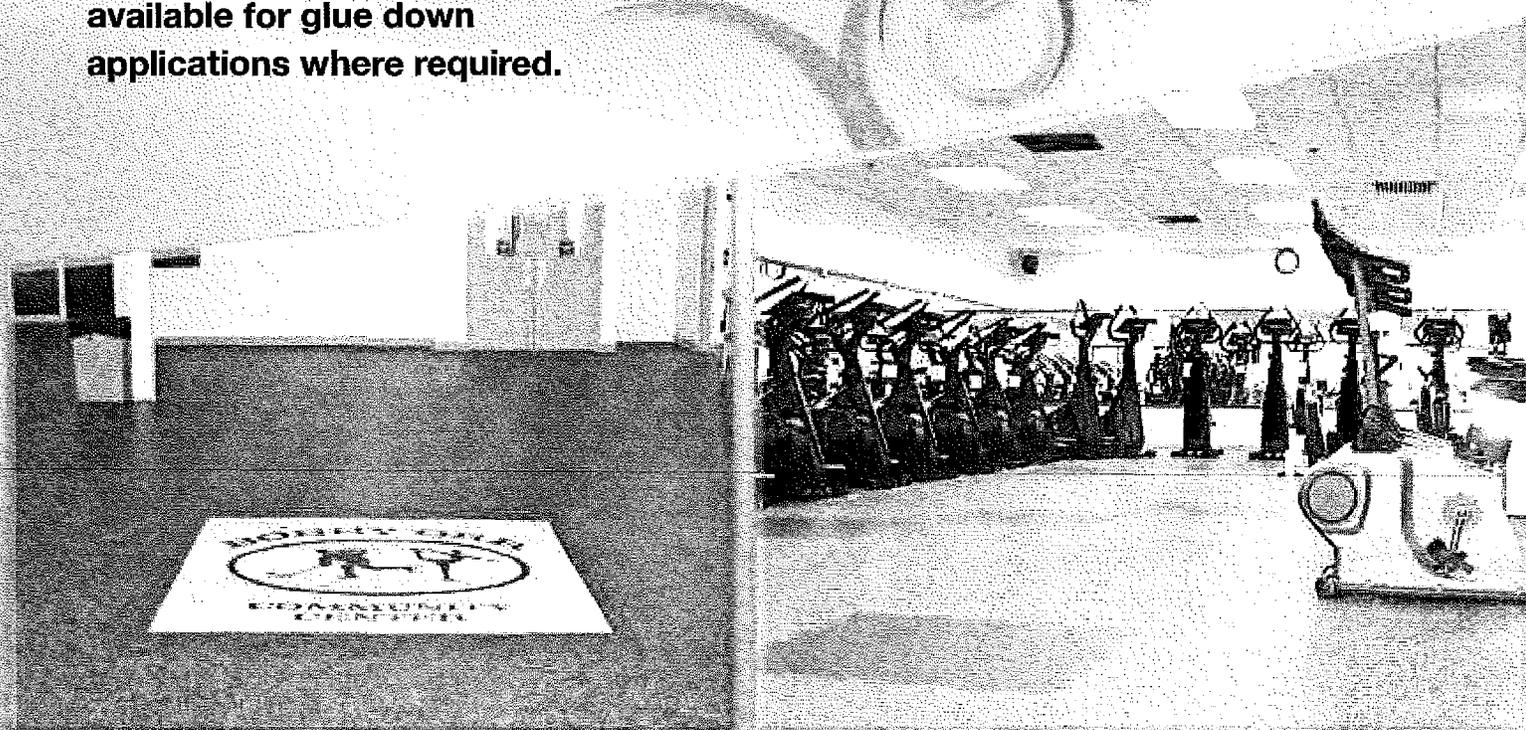
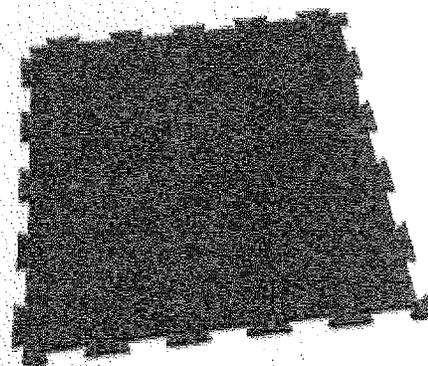
LUNAR SHOWERS  
#5314H9

NOTE: Please select color based on actual samples.

## Interlocking System - "Loose Lay" Flooring

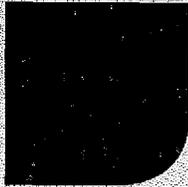
DINOFLEX's in-house water jet cutter creates the precision cut, interlocking tiles resulting in a unified, seamless look. Installation costs are reduced because adhesives are not required. DINOFLEX interlocking tiles are reversible, doubling the life expectancy of your floor.

**Straight edge tiles are also available for glue down applications where required.**



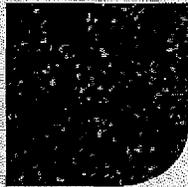
# granite flex

**RED**



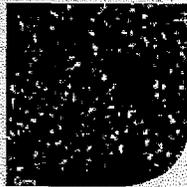
#53P118

**GREEN**



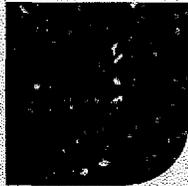
#53P119

**GREY**

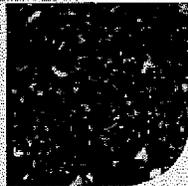


#53P121

**PLUS GREY**



#54P425



#54P435

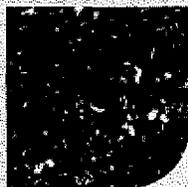


#54P4Q9

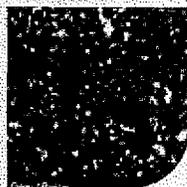
**PLUS BEIGE**



#54P426

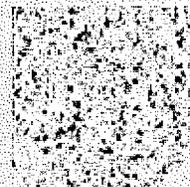


#54P436

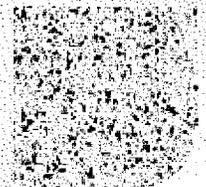


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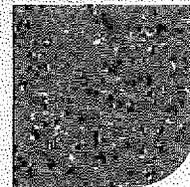
# elite line



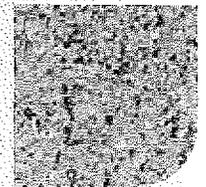
TUSCANY GREY  
#014E7



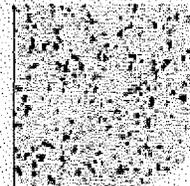
GIBRALTAR GREY  
#014C5



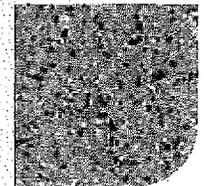
SUNSET RED  
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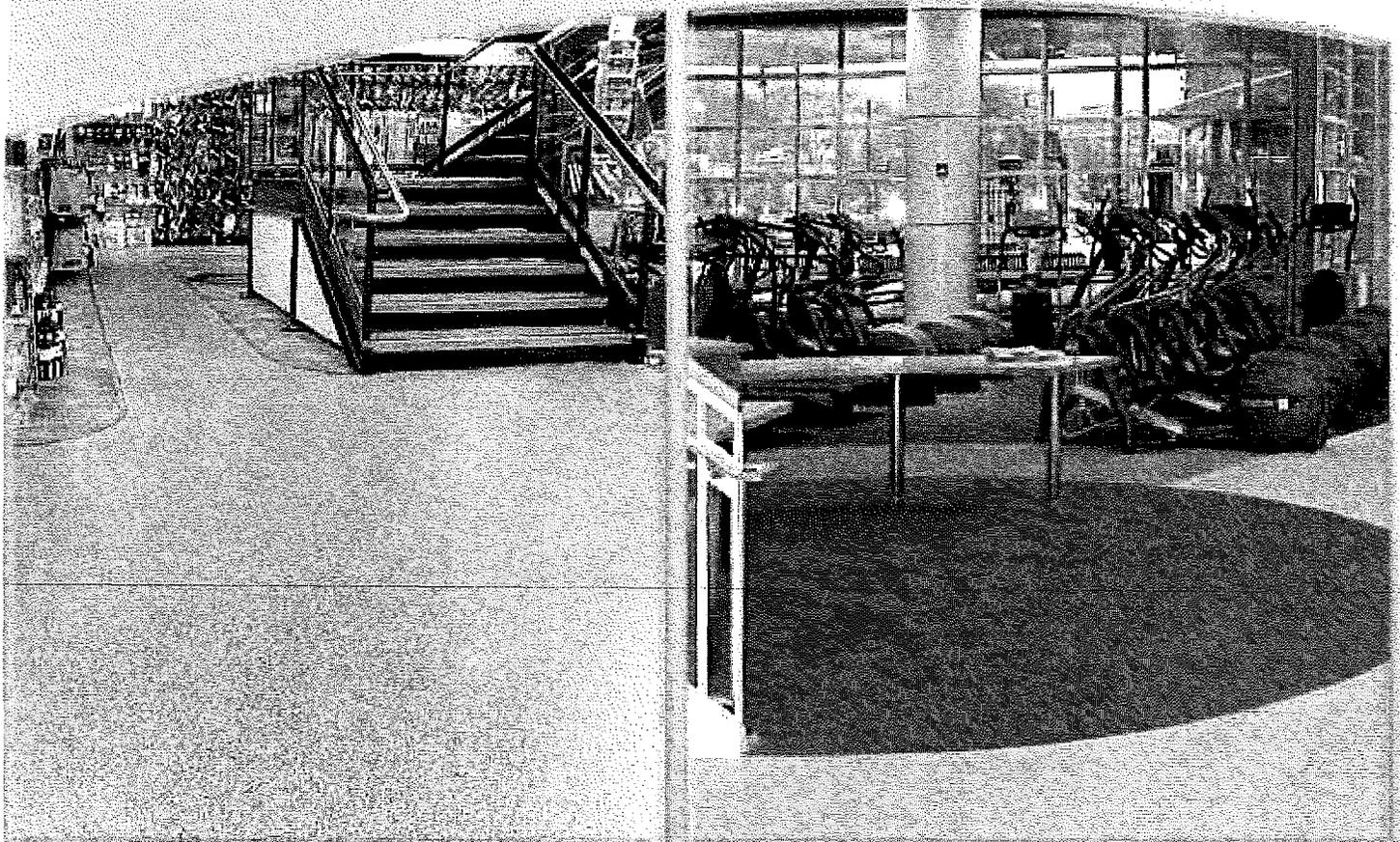
TROPICAL GREEN  
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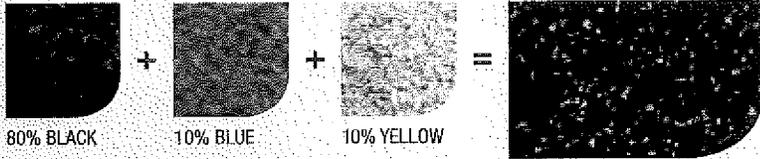
SAHARA BEIGE  
#014C9



MEDITERRANEAN  
BLUE #014C3



NOTE: Please select color based on actual samples.

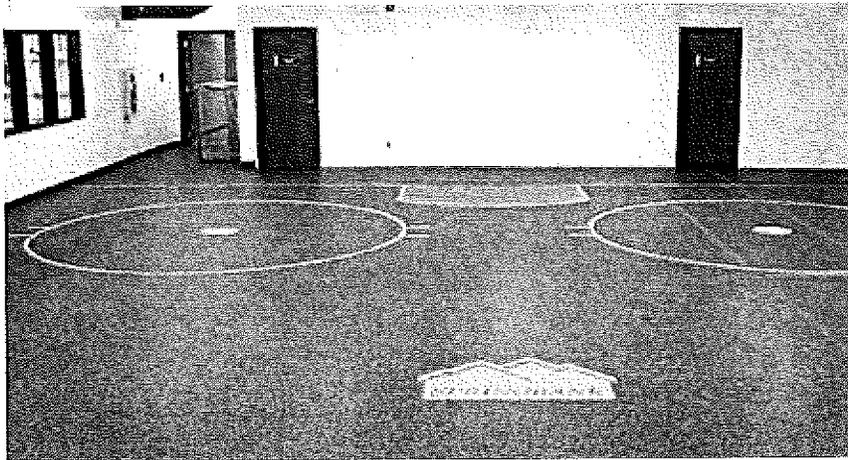


## Custom Colors

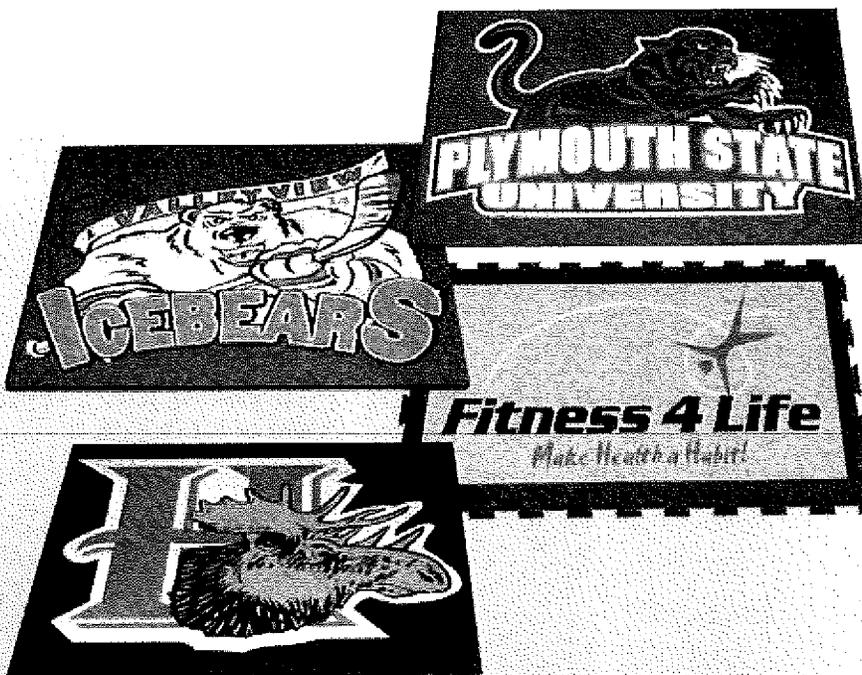
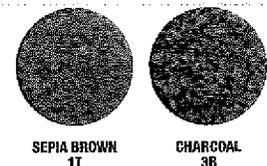
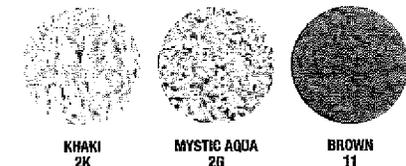
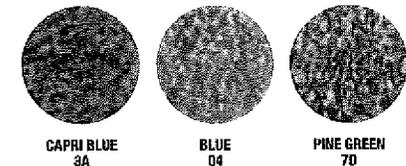
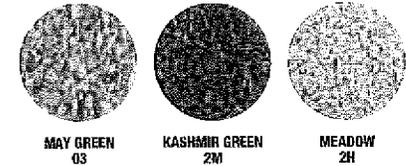
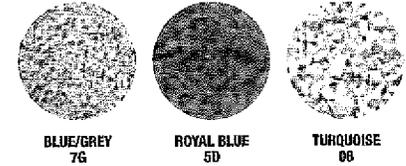
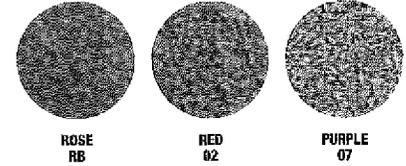
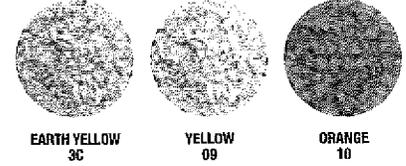
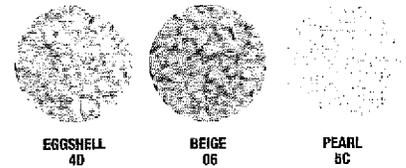
Create your own custom flooring by combining colors from our extensive palette. Available in square cut and interlocking tiles.

## Custom Design & Logos

Free your imagination! Design your own perfect floor – add color, shape, dimension, logos or borders. The choices are limitless!



Custom design your floor to suit both your aesthetic and practical needs. This area was custom designed as a Dry Training Area for the hockey off season.



Colors shown are reproduced as closely as possible to actual product colors. Contact DINO.FLEX for product samples.

## PHYSICAL PROPERTIES

TEST	DESCRIPTION	Standard Colors	Stone Line	Elite Line
AATCC 134-06	Electrostatic Propensity	POS 1.6 KV (up to 30% color only)	N/A	N/A
ASTM C423	Sound Absorption/Noise Reduction Coefficient	N/A	N/A	4mm 0.05 6mm 0.05
ASTM C501	Taber Abrasion (H-22)	0.8% wt. Loss	N/A	4% wt. Loss
ASTM D2047	Static Coefficient of Friction	Dry 1.04, Wet 1.05	Dry 0.81, Wet 0.90	Dry 0.85, Wet 1.01
ASTM D2240	Hardness Shore A Durometer	64 - 65 indentation	62 indentation	59 Indentation
ASTM D3676	Density Foam Test	86.0 lbs/cu. ft.	77.7 lbs/cu. ft.	78.3 lbs/cu. ft.
ASTM D395B	Compression Set Under Force	90% to 96.3% Recovered	95.3% Recovered	94.7% Recovered
ASTM D412	Tensile Strength	290.2 lbs/sq. in.	292.2 lbs/sq. in.	186.1 lbs/sq. in.
ASTM D5116	Material Emissions -VOC	Pass	Pass	Pass
ASTM E492	Impact Sound Transmission	4mm - IIC 57 8mm - IIC 59	N/A N/A	4mm - IIC 57 8mm - IIC 59
ASTM F137-03	Flexibility	6mm Mandrel PASSES	N/A	N/A
ASTM F150 (NFPA 99)	Electrical Resistance: • Surface to Surface • Surface to Ground	5.4 x 10 <sup>10</sup> ohms (average) 2.3 x 10 <sup>10</sup> ohms (average)	N/A N/A	3.9 x 10 <sup>11</sup> ohms (average) 1.9 x 10 <sup>11</sup> ohms (average)
ASTM F1914-98	Short Term Indentation	.025 inch (6.0%) Loss	N/A	N/A
ASTM F1914-98	Residual Indentation	.007 inch (1.7%) Loss	N/A	N/A
ASTM F970	Static Load (125 lbs)	.00 inch (0.0%) residual compression	N/A	N/A
ASTM F970	Static Load (1000 lbs)	N/A	0.30 in (7.3%) residual compression	.042 in (10.6%) residual compression
ASTM F925	Chemical Resistance	No Change	No Change	No Change
ASTM G21	Mildew Resistance	No Mildew after 14 days	N/A	No Mildew after 28 days
CALIFORNIA 01350	Sport Mat Flooring meets the VOC Emission requirements as a low-emitting material in the Collaborative for High Performance Schools rating system (CHPS Designed & CHPS Verified). Also the testing requirements are met for USGBC LEED for Commercial Interiors and for New Construction and Major Renovation, IEQ Credit 4.3 Low-Emitting materials - Flooring Systems, Options 1 and 2.			

## 10 YEAR WARRANTY

## PRODUCT SPECIFICATIONS

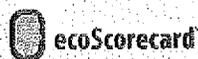
PRODUCT	SIZE	STANDARD THICKNESS
Interlock Tile (Loose Lay)	37" x 37" = 9.5 ft <sup>2</sup> 94cm x 94cm - 0.88m <sup>2</sup>	5/16" (8mm), 3/8" (10mm), 1/2" (12mm) Tolerance of + 0.5mm
Square Cut Tile (Glue Down)	38" x 38" = 10.0 ft <sup>2</sup> 96.5cm x 96.5cm - 0.93m <sup>2</sup>	5/32" (4mm), 1/4" (6mm), 5/16" (8mm), 3/8" (10mm), 1/2" (12mm) Tolerance of + 0.5mm

Please Note: All measurements are subject to nominal variation.

P.O. Box 3309  
5590-46th Ave. S.E.  
Salmon Arm, B.C.  
V1E 4S1 CANADA

Tel: (250) 832-7780  
Toll-Free: 1-877-713-1899  
Email: info@dinoflex.com

### REPRESENTED BY:



www.dinoflex.com

05/2012



## DINO FLEX Group Limited Partnership

### TECHNICAL SPECIFICATIONS SPORT MAT FLOORING

#### 1. PRODUCT NAME

- Sport Mat Flooring

#### 2. MANUFACTURER

Dinoflex Group Limited Partnership  
 P.O. Box 3309  
 5590 – 46<sup>th</sup> Ave. S.E.  
 Salmon Arm, B.C. Canada V1E 4S1  
 Tel: 250-832-7780  
 Toll Free: 877-713-1899  
 Fax: 250-832-7788  
 E-mail: [dinoflex@dinoflex.com](mailto:dinoflex@dinoflex.com)  
[www.dinoflex.com](http://www.dinoflex.com)

#### 3. PRODUCT DESCRIPTION

##### Composition & Materials

DINO FLEX Sport Mat Flooring is formulated from a combination of 100% post-consumer recycled black SBR (styrene butadiene rubber), and/or EPDM (ethylene propylene diene monomer) rubber, and polyurethane binder.

DINO FLEX Recycled Rubber Tiles are FloorScore<sup>(R)</sup> certified under the criteria developed by the Resilient Floor Covering Institute (RFCI) and certified by Scientific Certification Systems (SCS), Inc. Registration # SCS-FS-02144.

##### Special Considerations:

- **Fitness Centers:** recommend minimum 8mm thickness interlocking Sport Mat Flooring, no adhesive required.
- **Ice Arena Applications:** recommend minimum 10mm thickness square cut, fully adhered, Sport Mat Flooring for all areas excluding players boxes and walk off areas. DINOMAT recommended for these areas. *Stone Line and Elite Line are not recommended for ice arena applications.*
- **Golf Course Applications:** recommend minimum 8mm thickness , Sport Mat Flooring for all areas excluding high pivot zones. DINOMAT product recommended for these areas.
- **Ski Resort Applications:** recommend minimum 8mm thickness rubber square cut, fully adhered, Sport Mat Flooring for all indoor areas. DINOMAT product recommended for outdoor areas.
- **Elite Line:** not suitable for heavy use areas.

**Product Information:**

<p><b>Square cut</b> (glued down installation)  <math>38" \times 38" = 10.02 \text{ ft}^2</math>  <math>96.5 \text{ cm} \times 96.5 \text{ cm} = 0.93 \text{ m}^2</math></p> <p><b>THICKNESS</b></p> <table border="1"> <tr><td>*4 mm</td><td>5/32"</td></tr> <tr><td>*6 mm</td><td>1/4"</td></tr> <tr><td>8 mm</td><td>5/16"</td></tr> <tr><td>10 mm</td><td>3/8"</td></tr> <tr><td>12 mm</td><td>1/2"</td></tr> </table> <p>* Glue down installation recommended.</p>	*4 mm	5/32"	*6 mm	1/4"	8 mm	5/16"	10 mm	3/8"	12 mm	1/2"	<p><b>Interlock</b> (no adhesive required)  <math>37" \times 37" = 9.5 \text{ ft}^2</math>  <math>94 \text{ cm} \times 94 \text{ cm} = 0.88 \text{ m}^2</math></p> <p><b>THICKNESS</b></p> <table border="1"> <tr><td>8 mm</td><td>5/16"</td></tr> <tr><td>10 mm</td><td>3/8"</td></tr> <tr><td>12 mm</td><td>1/2"</td></tr> </table>	8 mm	5/16"	10 mm	3/8"	12 mm	1/2"
*4 mm	5/32"																
*6 mm	1/4"																
8 mm	5/16"																
10 mm	3/8"																
12 mm	1/2"																
8 mm	5/16"																
10 mm	3/8"																
12 mm	1/2"																

**NOTE:**

1. All measurements are subject to nominal variation.
2. Thickness tolerance of  $\pm 0.5 \text{ mm}$ .

**Colors** – EPDM color granules may be added to the black SBR to provide color and design ("speckled").

STANDARD COLORS 10%, 30%, 50% SPECKLING INTENSITY	TWO COLOR COMBINATIONS & METRO LINE	GRANITE FLEX LINE	STONE LINE	ELITE LINE	DÉCOR COLLECTION
<ul style="list-style-type: none"> <li>• RED</li> <li>• GREEN</li> <li>• BLUE</li> <li>• GREY</li> <li>• BEIGE</li> <li>• BROWN</li> </ul>	<ul style="list-style-type: none"> <li>• 10% BLUE/GREY</li> <li>• 10% BLUE/GREEN</li> <li>• 10% BEIGE/GREY</li> <li>• 10% RED/GREY</li> <li>• METRO GREY</li> <li>• METRO BLUE</li> <li>• METRO GREEN</li> <li>• METRO BEIGE</li> </ul>	<ul style="list-style-type: none"> <li>• RED</li> <li>• RED/GREY</li> <li>• RED/BEIGE</li> <li>• GREEN</li> <li>• GREEN/GREY</li> <li>• GREEN/BEIGE</li> <li>• GREY</li> <li>• GREY/GREY</li> <li>• GREY/BEIGE</li> </ul>	<ul style="list-style-type: none"> <li>• SEA STONE/BLUE</li> <li>• SEA STONE/GREEN</li> <li>• SEA STONE/TURQUOISE</li> <li>• EARTH STONE/BEIGE</li> <li>• EARTH STONE/ORANGE</li> <li>• EARTH STONE/RED</li> </ul>	<ul style="list-style-type: none"> <li>• TUSCANY GREY</li> <li>• GILBRALTAR GREY</li> <li>• SAHARA BEIGE</li> <li>• SUNSET RED</li> <li>• TROPICAL GREEN</li> <li>• MEDITERRANEAN BLUE</li> </ul>	<ul style="list-style-type: none"> <li>• AZTEK EMPIRE</li> <li>• DEEP SEA</li> <li>• INDEPENDENCE</li> <li>• MAYAN SANDS</li> <li>• NIGHT SKY</li> <li>• LUNAR SHOWERS</li> </ul>

**4. DESIGN & BASIC USE**

Sport Mat Flooring is designed for use in sport and commercial facilities. Excellent impact and sound absorbing qualities make it ideal for use in fitness and ski facilities. It is resistant to skate and spike traffic, thus performs well in ice arenas, locker rooms and golf courses. The extreme durability of this product results in flooring that will outlast the alternatives making it the product of choice for high use facilities.

Uses are not limited to the above.

Please contact DINO FLEX for information on custom designed logos.

**Limitations**

The following chemicals may cause damage to the surface and should be avoided: kerosene, solvents, grease, auto oil, vegetable oil/fat, and highly concentrated acids and bases.

This product is not suitable for service environments that have heavy vehicular traffic, rolling or sliding machinery, or similar uses unless fully adhered.

**5. INSTALLATION METHODS**

- a) **Square style** - fully adhered, use DINO FLEX recommended adhesives. See adhesive manufacturers' recommendation for moisture tolerance.

b) **Interlock style** – loose lay, no adhesive required. For indoor use, no moisture present, no rolling loads.

Refer to **DINOFLEX Sport Mat Flooring Installation & Maintenance Guidelines** for information relating to sub-surfaces listed:

- 1) Concrete sub-surface
- 2) Wooden sub-surface

**NOTE: SPORT MAT FLOORING, SQUARE CUT OR INTERLOCK, SHOULD NOT BE LAID ON TOP OF CARPET AS THE FLOOR WILL SHIFT AND MOVE.**

## 6. TECHNICAL DATA

### Test Standards for: American Society for Testing and Materials (ASTM)

- **AATCC 134-06** Electrostatic Propensity of Flooring Material
- **ASTM C501** Standard Test Method for Relative Resistance to Wear of Rubber Tile by the Taber Abraser.
- **ASTM D2047** Standard Test Method for Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.
- **ASTM D2240** Standard Test Method for Rubber Property-Durometer Hardness.
- **ASTM D3676** Standard Specification for Density Rubber Cellular Cushion Used for Carpet or Rug Underlay.
- **ASTM D395B** Standard Test Methods for Rubber Property-Compression Set.
- **ASTM D412** Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension.
- **ASTM D5116** Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products. (V.O.C.)
- **ASTM E648-97** Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
- **ASTM F137-03** Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus
- **ASTM F150** Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring.
- **ASTM F1914-98** Standard Test Method for Short-Term Indentation and Residual Indentation of Resilient Floor Covering
- **ASTM F925-97** Standard Test Method for Resistance to Chemicals of Resilient Flooring.
- **ASTM F970-87** Standard Test Method for Static Load Limit.
- **ASTM G21** Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- **Phillips Roll Chair** Test Method for Numeric Rating of Surface Structure.
- **California Specification 01350 (CHPS Compliant for VOC Emissions)** - Emission tests are performed following California Dept. of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, CA/DHS/EHLRB/R-174, 07/15/04 ([http://www.cal-iaq.org/VOC/Section01350\\_7\\_15\\_2004\\_FINAL\\_PLUS\\_ADDENDUM-2004-01.pdf](http://www.cal-iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf)).

### Physical / Chemical Properties

**A) STANDARD COLORS: 100% black, 10%, 30%, 50% EPDM speckle, 2-color combinations, Metro Line, Granite Flex Line, & Décor Collection.**

<b>TEST PROCEDURE</b>	<b>DESCRIPTION</b>	<b>ACHIEVED VALUES</b> (Subject to nominal variation)
AATCC 134-06	Electrostatic Propensity	POS 1.6 KV
ASTM C501	Taber Abrasion (H-22)	0.8% wt. Loss
ASTM D2047	Static Coefficient of Friction (James Machine method)	Dry 1.04, Wet 1.05
ASTM D2240	Hardness Shore A Durometer	64 Indentation hardness
ASTM D3676	Density Foam Test Summary	66.0 lbs/cu. ft.
ASTM D395B	Compression Set Under Force	96.3% recovered
ASTM D412	Tensile Strength	290.2 lbs/sq. in.
ASTM D5116	Material Emissions – VOC	Pass
ASTM E648	Critical Radiant Flux	Call Dinoflex for results

ASTM F137	Flexibility	6mm Mandrel PASSES
ASTM F150 (NFPA 99)	Electrical Resistance – Burroughs	
	- Surface to Surface	10 <sup>10</sup> ohms average
	- Surface to Ground	10 <sup>10</sup> ohms average
ASTM F1914-98	Short Term Indentation	.025 inch (6.0%) Loss
ASTM F1914-98	Residual Indentation	.007 inch (1.7%) Loss
ASTM F970-87	Static Load	.000 inch (0.0%) residual compression
ASTM F925-97	<u>Chemical Resistance</u>	
	• 5% acetic acid	No change
	• 70% isopropyl alcohol	No change
	• Mineral oil	No change
	• 5% sodium hydroxide	No change
	• 5% hydrochloric acid	No change
	• 5% ammonia	No change
	• Bleach	No change
	• 5% phenol	No change
	• Gasoline	No change
	• Kerosene	Slight
	• Sulphuric acid	No change
	• Olive Oil	No change
ASTM G21	Mold Growth on Surface	No Mildew after 14 days
<u>Other Tests:</u>	Phillips Roll Chair Test	Structure – no change
CA 01350	VOC Emissions – Section 01350	Pass

## B) STONE LINE: Earth Stone and Sea Stone

<u>TEST PROCEDURE</u>	<u>DESCRIPTION</u>	<u>ACHIEVED VALUES</u> (Subject to nominal variation)
ASTM D2047	Static Coefficient of Friction (James Machine method)	Dry .81, Wet .90
ASTM D2240	Hardness Shore A Durometer	62 Indentation hardness
ASTM D3676	Density Foam Test Summary	77.7 lbs/cu. ft.
ASTM D395B	Compression Set Under Force	95.3% recovered
ASTM D412	Tensile Strength	292.2 lbs/sq. in.
ASTM D5116	Material Emissions – VOC	Pass
ASTM F137	Flexibility	6mm Mandrel PASSES
ASTM E648	Critical Radiant Flux	Call Dinoflex for results
ASTM F150 (NFPA 99)	Electrical Resistance – Burroughs	
	- Surface to Surface	10 <sup>11</sup> ohms average
	- Surface to Ground	10 <sup>11</sup> ohms average
ASTM F970-87	Static Load	.030 inch (7.3%) residual compression
ASTM F925-97	<u>Chemical Resistance</u>	
	• 5% acetic acid	No change
	• 70% isopropyl alcohol	No change
	• Mineral oil	No change
	• 5% sodium hydroxide	No change
	• 5% hydrochloric acid	No change
	• 5% ammonia	No change
	• Bleach	No change
	• 5% phenol	No change
	• Gasoline	No change
	• Kerosene	No change
	• Sulphuric acid	No change
	• Olive Oil	No change
ASTM G21	Mold Growth on Surface	No Mildew after 28 days
CA 01350	VOC Emissions – Section 01350	Pass

**C) ELITE LINE: Sunset Red, Mediterranean Blue, Gibraltar Grey, Tropical Green, Sahara Beige, Tuscany Grey.**

<u>TEST PROCEDURE</u>	<u>DESCRIPTION</u>	<u>ACHIEVED VALUES</u> (Subject to nominal variation)
ASTM C501 ASTM D2047	Taber Abrasion (H-22) Static Coefficient of Friction (James Machine method)	4.0% wt. Loss Dry .85, Wet 1.01
ASTM D2240 ASTM D3676 ASTM D395B ASTM D412 ASTM E648 ASTM F137 ASTM F150 (NFPA 99)	Hardness Shore A Durometer Density Foam Test Summary Compression Set Under Force Tensile Strength Critical Radiant Flux Flexibility Electrical Resistance – Burroughs	59 Indentation hardness 78.3 lbs/cu. ft. 94.7% recovered 186.1 lbs/sq. in. Call Dinoflex for results 6mm Mandrel PASSES
ASTM F970-87	- Surface to Surface - Surface to Ground Static Load	10 <sup>11</sup> ohms average 10 <sup>11</sup> ohms average .042 inch (10.6%) residual Compression
ASTM G21 CA 01350	Mold Growth on Surface VOC Emissions – Section 01350	No Mildew after 28 days Pass

**Copies of test reports and additional product information are available upon request.**

## 7. INSTALLATION & MAINTENANCE PROCEDURES

Use a qualified or certified installer with experience installing similar recycled rubber flooring products. Refer to Dinoflex Group Limited Partnership "Sport Mat Flooring Installation & Maintenance Guidelines".

- Toll Free Tel: 877-713-1899
- Direct Line: 250-832-7780
- Fax: 250-832-7788
- [www.dinoflex.com](http://www.dinoflex.com)

## 8. AVAILABILITY & COST

### Availability

Please, contact the dealer, distributor, or Dinoflex for information on availability.

### Cost

Pricing information may be obtained from dealer, distributor, or Dinoflex

## 9. WARRANTY

The standard warranty period is 10 years from date of shipment. Please, see DINO FLEX's limited warranty for particulars of coverage.

## 10. TECHNICAL SERVICES

Contact Dinoflex for more information, where our trained customer service personnel offer design assistance and technical support.

## 11. FILING SYSTEMS

- SPORT MAT FLOORING Architect Binder (Division 9)
- [www.dinoflex.com](http://www.dinoflex.com)

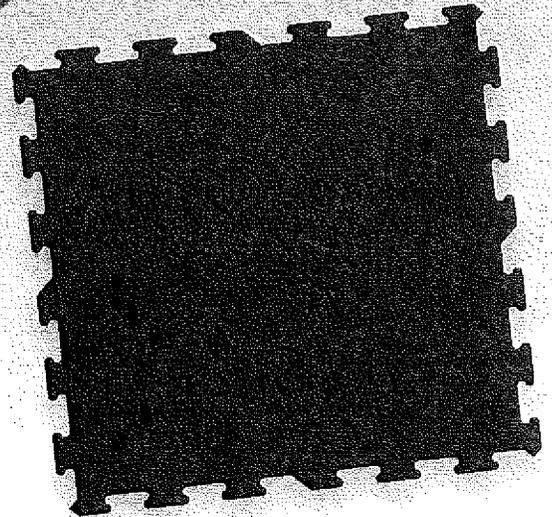
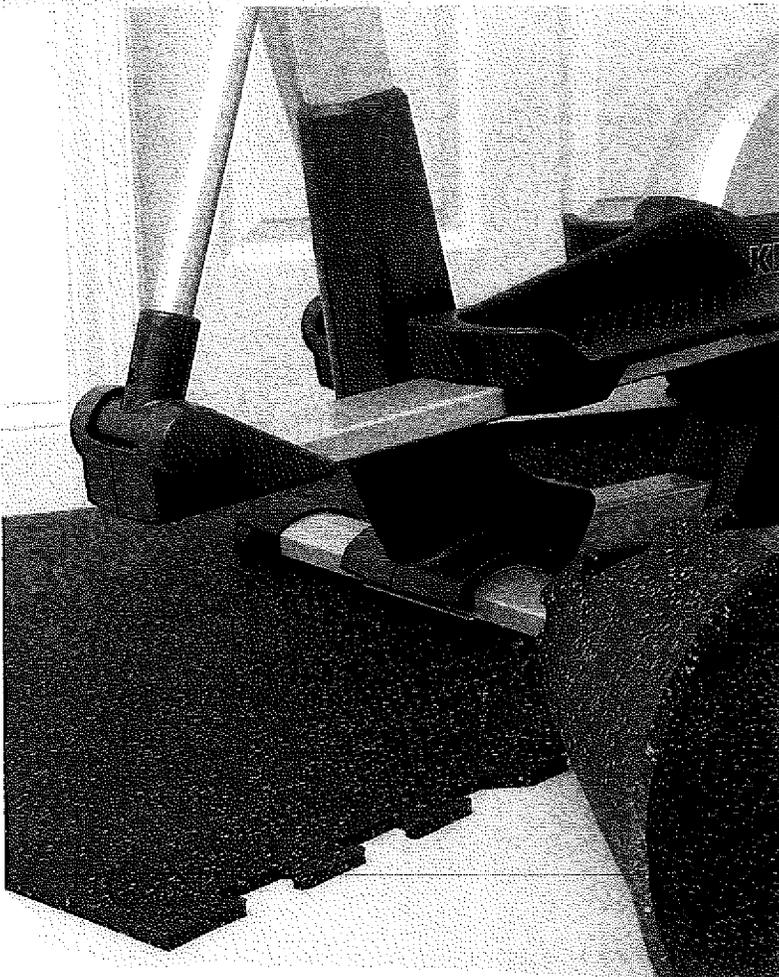
# EVERLAST<sup>®</sup>

SPORTS SURFACING

with   
NIKE GRIND

## Interlocking Tiles

**Everlast with Nike Grind Interlocking Tiles** are a resilient interlocking system that is engineered to protect floors in high use areas, such as corporate gyms and small fitness centers. Everlast's interlocking puzzle tiles are extremely durable, portable, and easy to install. No adhesive is required. The tight fitting, precision cut puzzle edges simply lock together, making them an ideal choice for smaller fitness applications. Please contact your sales representative for recommended uses.



*Basic Black Center Tile*

### Product Benefits:

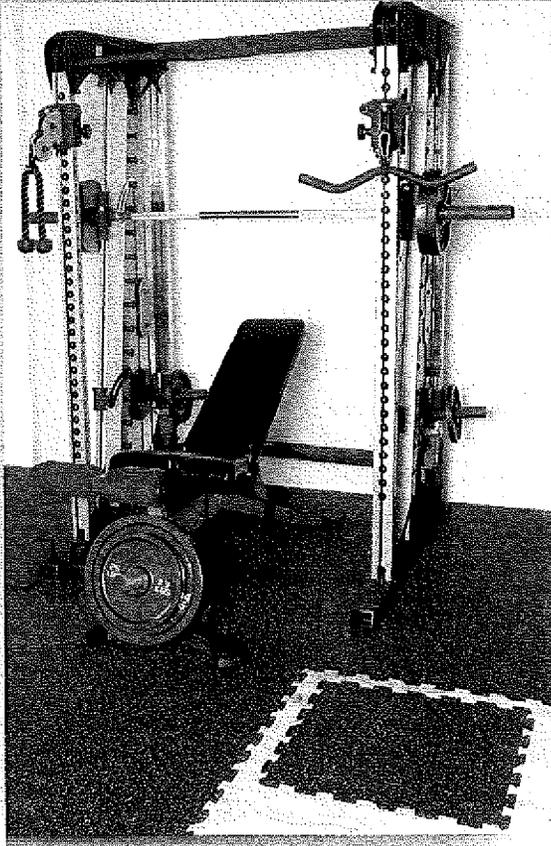
- Extremely durable
- Made in the U.S.A.
- No adhesive required
- Sound and shock absorbent
- Movable tiles make it easy to handle and relocate
- Do-it-yourself installation saves on labor costs
- Provides firm workout footing due to its excellent slip resistance in both wet and dry conditions
- Custom colors and logos available
- Can contribute toward earning up to 12 LEED points

*Buff Blue Interlocking Tiles (left)*



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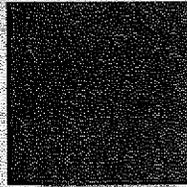
1-888-383-7655



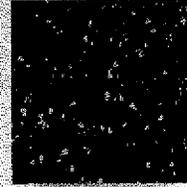
Grippin' Grey Interlocking Tiles

## Standard, Stocked Color Patterns:

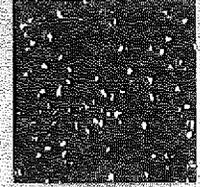
The following color patterns are available in 24" x 24" x 8mm interlocking tiles:



EL00 Basic Black



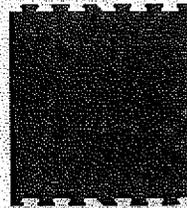
EL01 Buff Blue 10



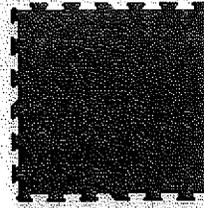
EL02 Grippin' Grey 10

## Interlocking Tile Options:

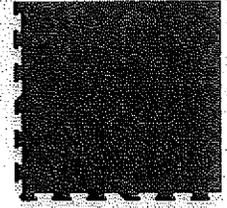
The following tile options for the three color patterns shown above include:



Border Tile



Center Tile



Corner Tile

## Item Numbers:

Color	Center Tile	Border Tile	Corner Tile
Basic Black	SRIT2020	SRIT2021	SRIT2022
Buff Blue	SRIT2010	SRIT2011	SRIT2012
Grippin' Grey	SRIT2000	SRIT2001	SRIT2002

## Custom Interlocking Tiles cut from Everlast Rolls:

For all other standard Everlast colors, interlocking tiles are available in 23" x 23" x 8mm.

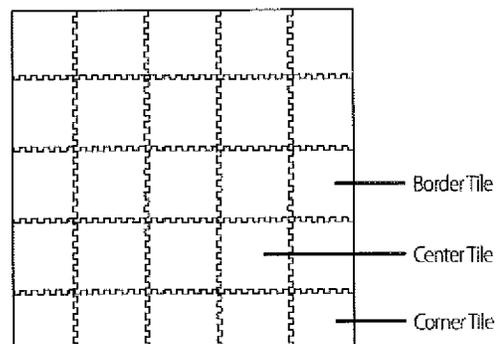
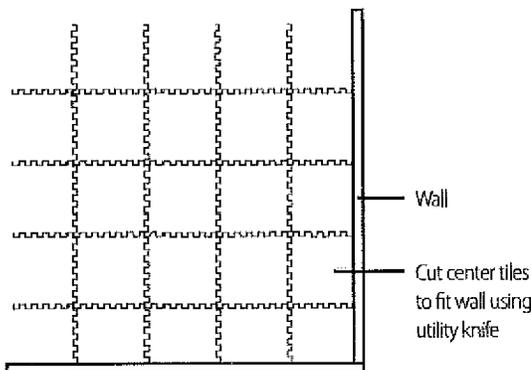
A minimum order of 50 tiles must be purchased.

Tile options for all other standard Everlast colors include center tiles only.

To estimate the number of 23" x 23" tiles you will need, divide the length of the room by 1.92. Then divide the width of the room by 1.92. Multiply those two numbers together to come up with the total tiles needed. You may want to consider ordering extra tiles for additional cutting and attic stock. Custom colors and thicknesses will require the purchase of a full cylinder and will carry special pricing.

## Layout Examples:

The following are examples of two different types of layouts that can be made with the interlocking tiles:





## Interlocking Tile Installation

### I. REQUIRED TOOLS & MATERIALS

Tape measure	Utility knife with heavy-duty blades	Marking instrument, such as paint pens or chalk
Chalk line		
Metal Straight Edge	Framing square	Push broom or vacuum

### II. SITE CONDITIONS

- A. **Inspect all tiles for visual defects before beginning installation. No labor claim will be honored on material installed with visual defects. Any discrepancies must be reported immediately to ECORE International's Technical Services Department at 1-800-322-1923 before beginning installation.**
- B. Care should be taken when moving large or heavy equipment over interlocking tiles due to the modular free floating design of the system. Plywood or other rigid sheeting can be utilized to better disperse the load to avoid the buckle.
- C. 8mm Interlocking Tiles are the only approved thickness in free weight areas and extra matting is suggested in dumbbell areas to reduce tile damage from repeated high impact.
- D. This product is intended for indoor use only. Do not use where the flooring will be exposed to fuels, oils, solvents, chemicals, or large fluctuations in temperature.
- E. This product is not designed to be used under rolling loads or in commercial applications due to the loose lay design. If full adhesion is required please contact ECORE for other recommended products.
- F. Areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65°F (18°C) for 48 hours before, during, and after the installation.
- G. Install Interlocking Tiles over wood or concrete subfloors, or firmly adhered resilient flooring such as vinyl, linoleum, laminate, ceramic tile, and wood. The Interlocking Tile can also be installed over "low pile" carpet using precautionary measures. All carpets have a "nap" in which the fibers run in one direction. The up and down motion of the mat above the carpet will cause it to move in the direction of the nap. To remedy this movement, plastic carpet runners may be installed, with spikes down under the Interlocking Tile mat.
- H. Surface should be smooth to prevent irregularities, roughness, or other defects from transferring through to the new flooring.

### III. MATERIAL STORAGE AND HANDLING

- A. Store the material in its original, unopened packaging with all labels intact.
- B. Inspect all materials for visual defects before beginning the installation. Verify the material delivered is the correct style, color, and amount. Any discrepancies must be reported to the retailer where the material was purchased.
- C. Remove tiles from cartons and allow to sit in the area to be installed, at uniform room temperature 24 hours prior to installation.
- D. Mix tiles from several boxes or skids. Ensure that job site and subfloor conditions are met.
- E. Install Interlocking Tiles so that the directional markings stamped on the bottom of the tiles point in the same direction. It is mandatory to install these tiles in the same direction.

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## Area Mat Interlocking Tile Installation

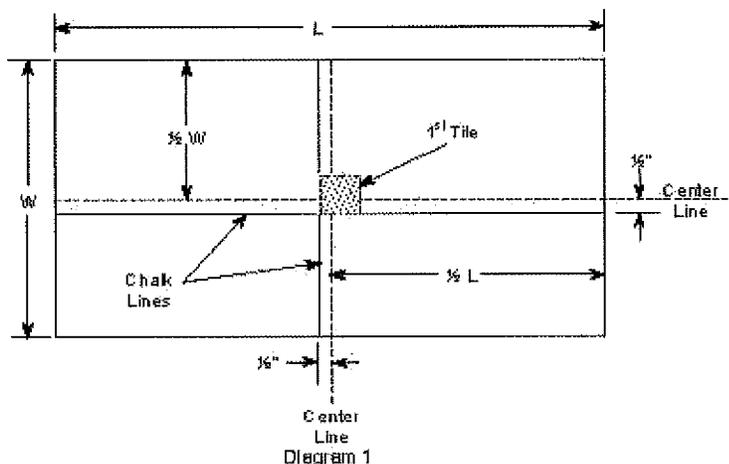
### IV. Area Mat

- A. For a simple area mat installation, lay down the tiles to the desired length and width and interlock the tabs.
- B. For a finished look, trim the interlocking tabs from the mat using a sharp utility knife and a metal straight edge.

## Wall To Wall Interlocking Tile Installation

### IV. LAYOUT Wall To Wall

- A. It is customary to begin tile installations from the center of the room.
- B. Measure the width of the area to be covered.
- C. Mark the center of the area at two points, one at each end.
- D. Snap a chalk line, line #1, through these two points.
- E. Determine the center point of the chalk line.
- F. Using a Carpenter's square or another method, snap a second chalk line, line #2, perpendicular (at 90°) to the first line. The lines should intersect at their centers.
- G. The area to be covered is now divided into quarters. Begin the installation at the center of the area, where the two lines intersect. See Diagram 1. Interlocking Tiles must be installed in the same direction. Directional markings stamped on the bottom of the tiles must point in the same direction.
- H. Lay whole tiles from left to right along chalk line #1 up to the wall on the opposite side of chalk line #2. The last tile will likely have to be cut to fit against the wall.
- I. Cut the last piece to fit against the wall using a metal straight edge and a sharp utility knife. Do not compression fit the tile against the wall. Allow a 1/4" around the perimeter for expansion.



## Cleaning

### V. Surface Cleaning

- A. Remove all surface soil and debris by sweeping or vacuuming.
- B. Damp mop to remove additional soil using ECORE's E-Cleaner, diluted per the manufacturers' instructions. DO NOT flood the floor with water as the Interlocking mat is permeable and will allow water to pass through. For tough stains or dirt build up, a nylon brush may be used in conjunction with the recommended E-Cleaner.

Manufactured in the USA by:



## Warranty

Interlocking Tile is guaranteed to be free from manufacturing defects on both material and workmanship. If such a defect is discovered, the customer must notify ECORE International through the contracting installer, retailer, or directly. If material is found to be defective within three years under normal non abusive conditions, the sole remedy against the seller will be the replacement or repair of the defective goods. At the seller's option, credit may be issued not exceeding the original selling price of the defective goods.



Revised on 04/03/12. Supersedes all previous versions. Check [www.everlastsportssurfacing.com](http://www.everlastsportssurfacing.com) for updates.

## Roll and Tile Good Warranty

All ECORE International rubber flooring is guaranteed by ECORE International to be free from manufacturing defects on both material and workmanship. If such a defect is discovered, the customer must notify ECORE either through the contracting installer, distributor, or directly. If found to be defective within three years under normal non-abusive conditions, the sole remedy against the seller will be the replacement or repair of the defective goods, or at the seller's option, credit may be issued not exceeding the selling price of the defective goods.

Everlast warranty shall not cover dissatisfaction due to improper installation, normal wear or quality of installation expected from the use or environment of installation, damage from improper maintenance or usage, or general misuse, including and without limitation: burns, cuts, tears, scratches, scuffs, damage from rolling loads, damage from cleaning products not recommended by ECORE, slight shade variations or shade variations due to exposure to direct sunlight, or differences in color between samples or photographs and actual flooring.

### Excluded from Warranty

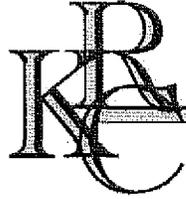
These warranties do not apply to the following:

1. The exact matching of shade, color or mottling.
2. Any express or implied promise made by any salesman or representative.
3. Tears, burns, cuts or damage due to improper installation, improper use or improper cleaning agents or maintenance methods.
4. Wear from chairs or other furniture without proper floor protectors will void the warranty. Care should be taken to protect the flooring from damage by using good quality protective feet for chairs, tables, and other furniture. Chair mats may be required under chairs with casters/wheels.
5. Labor costs for installation of original or replacement material.
6. Sale of "Remnants", "Seconds", "Off Goods" or other irregular (non-first-quality) flooring materials. With respect to "Seconds", "Off Goods", or "Remnants" such are sold "as is," and Everlast makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
7. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
8. Problems caused by uses, maintenance, and installation that are contrary to Everlast specifications, recommendations or instructions.
9. Material installed with obvious defects.
10. Damage to flooring products from high heels or spike heels.
11. Damage or discoloration to flooring products from rubber mats, rubber backed mats, or car tires.
12. Installation of Everlast products with adhesives other than those recommended by Everlast.
13. Fading and/or discoloration resulting from heavy sunlight penetration and ultraviolet ray exposure from direct or glass-filtered sunlight.
14. Material that is not installed and maintained as recommended by Everlast.
15. Damage to flooring products from pallet jack and tow-motor traffic.
16. Environments where the product will be exposed to animal fats, vegetable oils, grease or petroleum based materials. (i.e.: commercial kitchens or auto repair facilities.)
17. Premature wear and deterioration from spikes and skate blade exposure.
18. Differences in color between products and photography.
19. Embossing / density deviations between product and samples, photography.

These warranties are in lieu of any other warranty expressed or implied. Everlast shall not be liable for any incidental or consequential damages which may result from a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific rights, and you may also have rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or your State Attorney General.

For complete and latest warranty information for products within the Everlast collection, please see [www.everlastsportssurfacing.com](http://www.everlastsportssurfacing.com).

888.383.7655 – [www.everlastsportssurfacing.com](http://www.everlastsportssurfacing.com)



KEY RESIN COMPANY

4050 Clough Woods Drive  
Batavia, Ohio 45103, 888.943.4532



# Installation Instructions

## Key Epocon SL (Epocoat) Moisture Vapor Control System

### I. GENERAL INFORMATION

**KEY EPOCON SL** is designed as a concrete slab surface treatment when moisture vapor transmission exceeds 3 pounds of moisture as tested with the calcium chloride test procedure (ASTM F-1869-11), or for use when concrete slabs test higher than 79% as tested with the relative humidity probe test (ASTM F-2170-11). The entire concrete substrate should be treated when any individual test confirms excessive moisture, as it is impossible to spot-treat with a moisture mitigation system.

### II. SURFACE PREPARATION

**Surface Preparation** is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared with **Shotblasting method ONLY** to a minimum surface profile of ICRI CSP-3 to a maximum CSP-6 ([www.icri.org](http://www.icri.org)) as outlined in **KEY RESIN COMPANY'S TECHNICAL BULLETIN #1**, unless alternative method is approved by Key Resin Technical Service. Specific attention should be paid to the following:

- A. Concrete Placement
- B. Curing and Finishing Techniques of the concrete substrate
- C. Age of Concrete
- D. Previous Contamination of the substrate
- E. Present Condition of the Substrate

Also, the temperature and humidity conditions of the area to receive the flooring system should be checked. An optimum room temperature of 75°F with a minimum slab temperature of 60°F is required for proper cure of the resin flooring system.

### III. MATERIAL QUANTITIES

#### Guideline System Requirements for 1000 ft<sup>2</sup>

<i>Key Epocon SL Moisture Vapor Control System--100-125 mils</i>	<i>Qty/ 1000 ft<sup>2</sup></i>	<i>Coverage Rate</i>
1. Key Epocoat Primer/Scratch Coat—add 5% water (optional)	6 gallons	160 ft <sup>2</sup> /gallon
2. Key Epocoat Body Coat	43 gallons	18 ft <sup>2</sup> /gallon*
3. Key #730 Filler Sand (80-100 mesh)	250 pounds	mixed with Epocoat
4. Key Broadcast Sand (30 mesh, or 40-60 mesh) (sand broadcast step may be deleted if smooth finish is desired)	300-500 lbs	0.3-0.5 lbs/ft <sup>2</sup>

\*Note: Coverage rate of Key Epocoat mixed with Key #730 Sand is 18 ft<sup>2</sup>/gallon of mixed slurry. Typical batch size: 2.5 gallons Key Epocoat + 1 gallon (13 lbs.) Key #730 Filler Sand = 3.3 gallons of mixed slurry, covering 60 ft<sup>2</sup> at 90 mils.

Note: Total system thickness is nominal 100-125 mils (1/8") as outlined. Sand broadcast step #4 may yield thickness slightly greater than 125 mils. It is **required** to add Key 730 Sand (80-100 mesh) as a filler to the Key Epocoat bodycoat during mixing as outlined, for both smooth and broadcast options.

#### IV. INSTALLATION

Note: Route cracks larger than 1/16" and fill with sand-filled Epocoat with NO ADDED WATER (i.e., bodycoat mix design) during the scratch coat application. If filling control joints (sawcuts) with the intention to cover the filled joint with the Key Epocon SL system and the floor system, follow the same procedure as used for cracks. If using Key #580 Flexible Epoxy Membrane for overlaying cracks or sawcuts, the Key #580 must be applied over the finished Key Epocon SL system (i.e., over the sand broadcast, after sweeping and vacuuming all loose or poorly adhered sand, or over smooth Key Epocon SL). If applying Key #580 over sand broadcast finish, factor an additional 20%-30% material to achieve a minimum 32 mils over the sand texture. Be aware that flexible membrane should only be used under aggregate-filled floor systems unless exceptions are approved by Key Resin. Be aware that flexible membrane used to treat isolated cracks or joints may be evident through 1/16"-1/8" floor toppings as a slightly raised area, a minimum 3/16"-1/4" topping is recommended to reduce this effect, or apply the Key #580 Membrane over the entire floor area.

##### 1. Mixing **Key Epocoat**

- a. Do not alter mixing ratios in any way. Part I and Part II are supplied in the correct mixing ratios. Always mix a complete unit in the proportions supplied, or if using a 5 gallon unit, carefully split Parts I and II precisely into exact half portions if mixing in a small mix vessel or pail (pre-mix Part II before splitting). If mixing a full 5 gallon unit in a very large mix vessel such as a 30 gallon galvanized metal trash can, additional mixing time with a large mix drill and double blade Jiffy mixer will be necessary to ensure adequate mixing.
- b. Pre-mix Epocoat Part II before combining with Epocoat Part I. Also do the pre-mixing before splitting units. Mix material **thoroughly** for approximately 3-4 minutes to form a homogenous consistency using a slow speed drill and "Jiffy" blade. **IMPORTANT:** Do not add any water (if used for Primer coat) until this minimum mix time is achieved, then continue to mix for 1 additional minute with the added water. Do not entrap excessive air. Move mixer around and scrape all sides and bottom of container to ensure thorough mixing.
- c. For primer/scratch coat material: Optionally add 5% water to lower viscosity (6-8 oz per 1.25 gallons Epocoat, 12-16 oz per 2.5 gallons Epocoat, or 24-32 oz per 5 gallons Epocoat). Do not add Key #730 Filler Sand to the primer/scratch coat material.
- d. For bodycoat material: Do not add water to lower viscosity unless approved by Key Resin Technical Service. After mixing Epocoat Part I and II as outlined previously, continue mixing and add Key #730 Filler Sand at rate of 1 gallon (13 lbs) per 2.5 gallons Epocoat, continue mixing until thoroughly blended, or about 1 additional minute.
- e. For material used to fill cracks/joints: Do not add water. After mixing Epocoat Part I and II as outlined previously, continue mixing and add Key #730 Filler Sand at rate of 1 gallon (13 lbs) per 2.5 gallons Epocoat, continue mixing until thoroughly blended, or about 1 additional minute.

## 2. Application of **Key Epocoat**

- a. **Primer/Scratch Coat:** Apply with a squeegee and short nap roller at a coverage rate of 160 ft<sup>2</sup>/gallon. After squeegee application, back roll with the short nap roller to achieve a uniform coverage. Allow to cure hard enough for light foot traffic before application of bodycoat, about 3-4 hours at 75 degrees F.
- b. **Crack/Joint Filling:** Use Epocoat Bodycoat mix formula without the additional water. Additional sand may be added if desired, but **DO NOT** create a dry-pack consistency mortar, it must be very resin rich or cure problems may result. Due to increased thickness of material the filled crack/joint should ideally cure for a minimum of 12 hours before overlaying with the Epocoat bodycoat slurry. Schedule this work a day before the primer application or same day, depending on when the bodycoat is to be installed.
- c. **Drain/Termination Key-Way, Spalls, Pop-Outs:** For these and other areas thicker than 1/8", use Epocoat Bodycoat mix formula without adding water, and add additional sand (730 Sand or larger mesh, or BMA-50 blended sand) as needed to create a resin rich mortar or thick slurry, but **DO NOT** create a dry-pack consistency mortar, or cure problems may result. **DO NOT** use fumed silica (e.g., Cab-O-Sil, Aerosil) under any circumstances.
- d. **Bodycoat:** Mix as outlined in steps 1-a, b, and c. Apply mixed material using a cam/pin gauge rake set at 1/8", or 1/2" V-notched trowel or V-notched metal rake. **DO NOT** use V-notch squeegee to avoid thickness inconsistencies. Immediately backroll with a looped roller (protruding loop style only!) or spiked roller. A spiked roller may aid with release of entrained air but will not help to move unevenly applied material.

Typical batch size (Bodycoat): 2.5 gallons Key Epocoat + 1 gallon (13 lbs) Key #730 Filler Sand = 3.3 gallons of mixed slurry, covers 60 ft<sup>2</sup> at 90 mils (18 ft<sup>2</sup>/gallon). **80-90 mils is the minimum slurry thickness required and 125 mils is the maximum slurry thickness allowed.** Check thickness with a gauge to ensure consistent thickness is achieved and maximum thickness is not exceeded.

***IMPORTANT: DO NOT EXCEED 125 MILS (1/8") THICKNESS IN BODYCOAT SLURRY UNLESS ADDING ADDITIONAL FILLER SAND OR BLENDED MORTAR AGGREGATE, OR CURE PROBLEMS MAY RESULT (e.g., Mud Cracking, Poor Adhesion).***

- e. Optional: Broadcast surface with 30 mesh sand or 40-60 mesh sand to excess (30-50 lbs/100 ft<sup>2</sup>) to achieve nominal 1/8 inch. Broadcasting procedure should begin within 5-10 minutes after spreading resin to ensure adequate absorption of aggregate into resin. Sweep and vacuum excess or loose sand after hardening, allow for 16-24 hours of cure time, depending on temperature. NOTE: Higher humidity and cooler temperature will inhibit the release of water from the Epocoat Bodycoat and slow the cure time.
- f. If a smooth finish is desired, delete the sand broadcast procedure. A smooth finish may be preferred for thin topcoats needing a smooth finish, or if Key #580 Flexible Epoxy Crack Isolation Membrane will be used, etc. If the finish is to be sanded before application of the subsequent floor covering materials, allow the Epocoat Bodycoat to cure 48-72 hours to obtain sufficient hardness.

## 3. Top Coating, Overlays, Floor Coverings

Apply top coatings or resin floor system directly over broadcast surface or smooth surface. Prime surface with appropriate Key Resin primer if required (varies by product), or apply Key Resin bodycoat, mortar, etc. For vinyl flooring, VCT, carpet, and other floor coverings, consult with manufacturer of floor covering for requirements. A self-leveling cement underlayment may be required before application of water based floor covering adhesives to

ensure proper cure, consult with adhesive manufacturer and/or self-leveling cement manufacturer for their requirements.

## V. WARRANTY

**Key Resin Company** offers warranties for systems installed by approved installers. Contact **Key Resin Company** for details and warranty pre-approval requirements.