

CONTRACT AWARD

CK09MERCER2018-33B CARPET FOR THE COUNTY OF MERCER AND THE MERCER COUNTY COOPERATIVE PURCHASING SYSTEM

BID OPENING DATE: 01.18.19 POSTPONED FROM 01.31.2019

CONTRACT TERM: FEBRUARY 18, 2019 THROUGH FEBRUARY 17, 2021	RES NO. 2019-164		
NO. OF RESPONDENTS:	3		
NAME OF BIDDER	COMMERCIAL INTERIORS DIRECT, INC.	CONTRACT FLOORING SYSTEMS, LLC.	BUZZYS CARPET, INC.
ADDRESS	1 S. CORPORATE DRIVE	40 COLLEGE STREET	238 14TH AVE
CITY, STATE, ZIP	RIVERDALE, NJ 07457	TRENTON, NJ 08611	SEASIDE PARK, NJ 08752
CONTACT	STEVEN MULLER	STEVE PARISH	RONALD BUSSEY
TELEPHONE	973 839 8394	609 393 0123	732 656 1320
FAX	973 839 8376	609 393 0703	732 656 1813
E-MAIL	SALES@COMMERCIALINTERIORSDIRECT.COM	CONFLRSYS@AOL.COM	BUZZYSCARPET@HOTMAIL.COM
FATAL FLAW	NO	NO	

CK09MERCER2018-33B REBID OF CARPET AND FLOORING PROPOSAL FOR A PERIOD OF TWO YEARS WITH OPTION TO EXTEND ONE YEAR

THE BRANDS REFERENCED BELOW ON LINES FIVE, SIX, TEN, ELEVEN, AND FOURTEEN ARE CURRENTLY INSTALLED IN FACILITIES THROUGHOUT THE COUNTY;
HOWEVER, BIDDERS MAY PROVIDE PRICING FOR THE BRAND OR AN EQUIVALENT FOR LINES ONE, TWO, THREE, SEVEN, EIGHT, NINE, AND TWELVE

					AWARD				
ITEM NO.	TYPE	DESCRIPTION	GLUED/DOUBLE GLUED OR SELF STICK	BRAND/COLLECTION	LOW BIDDER	BRAND OR EQUIVALENT ACCEPTABLE FOR LINES THAT ARE NOT SHADED	LABOR COST PER SQUARE YARD FOR NEW INSTALLATIONS	MATERIALS COST DELIVERED FOB DESTINATION PER SQUARE YARD FOR NEW INSTALLATION	TOTAL FOR LABOR AND MATERIALS FOR NEW INSTALLATIONS DELIVERED AND INSTALLED
15		COST PER SQ. FT. FOR SOLID VINYL TILE MANNINGTON OR EQUIVALENT			COMMERCIAL INTERIORS DIRECT, INC.	MOHAWK EDGELAND TILE #C0085	1.45	1.70	3.15
19		COST PER SQ. FOR ARMSTRONG SAFETY ZONE™ SLIP-RETARDANT TILE OR EQUIVALENT			COMMERCIAL INTERIORS DIRECT, INC.	AZROCK COLOR ESSENCE SR	1.45	3.00	4.45
NAME AND LOCATION OF RECLAMATION FACILITY					*RECLAMATION COST PER SQ. YD COMMERCIAL INTERIORS DIRECT, INC. \$12.50				
10% MARKUP ON WHOLESAL PRICING INCLUDING BUT NOT LIMITED TO SYNTHETIC HAIR OR JUTE PADDING, TREADS, REDUCERS, PATCHES, DOUBLE GLUE, ETC.									

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2	28.0 oz Unitary Back	Performance Broadloom	GLUED	PHILADELPHIA QUEEN COMMERCIAL VOCATION III 54272	BUZZYS CARPET	PHILADELPHIA QUEEN COMMERCIAL VOCATION III 54272	7.50	11.88	19.38
5	28 oz. Action Back	Class 1 Moderate	GLUED	PATCRAFT/SOCCRATES II 28	BUZZYS CARPET	PATCRAFT/SOCCRAT ES II 28	7.50	15.20	22.70
10	Carpet Tile/Modular	26 oz.	GLUED OR SS	QUEEN/CHANGE IN ATTITUDE	BUZZYS CARPET	QUEEN/CHANGE IN ATTITUDE	7.50	18.15	25.65
11	Carpet Tile/Modular	24 oz.	GLUED OR SS	PATCRAFT/BIG SPLASH/MODULAR	BUZZYS CARPET	PATCRAFT/BIG SPLASH/MODULAR	7.50	17.50	25.00
NAME AND LOCATION OF RECLAMATION FACILITY					*RECLAMATION COST PER SQ. YD BUZZY'S \$12.50				
10% MARKUP ON WHOLESALE PRICING INCLUDING BUT NOT LIMITED TO SYNTHETIC HAIR OR JUTE PADDING, TREADS, REDUCERS, PATCHES, DOUBLE GLUE, ETC.									

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1	28.0 oz Unitary Back	Performance Broadloom	GLUED	PHILADELPHIA QUEEN COMMERCIAL DIVIDEND J0081	CONTRACT FLOORING SYSTEMS	MOHAWK CONNETIC	7.00	10.85	17.85
3	26.0 oz Unitary Back	Performance Broadloom	GLUED	PHILADELPHIA QUEEN COMMERCIAL VOCATION II 54270	CONTRACT FLOORING SYSTEMS	MOHAWK NEW BASICS II	7.00	9.50	16.50
6	Carpet Tile/Modular	17 oz.	GLUED OR SS	LEES WORK IT, TILE 17	CONTRACT FLOORING SYSTEMS	LEES WORK IT TILE 17 OZ.	7.00	21.98	28.98
7	Carpet Tile/Modular	17 oz.	GLUED OR SS	LEES BENDING EARTH COLLECTION	CONTRACT FLOORING SYSTEMS	MOHAWK NEW BASICS III (18 oz)	7.00	15.75	22.75
8	Carpet Tile/Modular	17 oz.	GLUED OR SS	LEES CLASS ACT	CONTRACT FLOORING SYSTEMS	LEES CLASS ACT	7.00	23.82	30.82
9	Carpet Tile/Modular	22 oz.	GLUED OR SS	LEES FLAMESTITCH III	CONTRACT FLOORING SYSTEMS	J & J MINERAL (22 OZ.)	7.00	16.88	23.88
12	Carpet Tile/Modular	25 oz.	GLUED OR SS	LEES ROOKIE NEWCOMER	CONTRACT FLOORING SYSTEMS	MOHAWK WORK IT 26OZ	7.00	23.35	30.35
14	Carpet Tile/Modular	26 oz.	GLUED OR SS	LEES FACULTY REMIX	CONTRACT FLOORING SYSTEMS	LEES FACULTY REMIX	7.00	23.85	30.85
16	COST PER SQ. FT. FOR VINYL COMPOSITION TILE				CONTRACT FLOORING SYSTEMS	ARMSTRONG VCT	1.10	0.85	1.95
17	COST PER SQ. FT. FOR ARMSTRONG RUBBER FLOOR TILE OR EQUIVALENT SQUARE RAISED PATTERN				CONTRACT FLOORING SYSTEMS	ROPPE	1.50	5.75	7.25
18	COST PER SQ. FT. FOR ARMSTRONG RUBBER FLOOR TILE OR EQUIVALENT ROUND RAISED PATTERN				CONTRACT FLOORING SYSTEMS	ROPPE	1.50	5.75	7.25
20	COST PER SQUARE YARD FOR RIP UP, REMOVAL AND CARTAGETO CERTIFIED RECLAMATION FACILITY AND NAME AND LOCATION OF RECLAMATION CENTER				CONTRACT FLOORING SYSTEMS				7.00
	NAME AND LOCATION OF RECLAMATION FACILITY				*RECLAMATION COST PER SQ. YD CONTRACT FLOORING: \$7.00				
10% MARKUP ON WHOLESALE PRICING INCLUDING BUT NOT LIMITED TO SYNTHETIC HAIR OR JUTE PADDING, TREADS, REDUCERS, PATCHES, DOUBLE GLUE, ETC.									

Approved as to ~~Form and Legality~~

Date

March 14, 2019

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County Counsel

AWARD OF BID RECEIVED JANUARY 31, 2019 TO MULTIPLE VENDORS FOR THE REBID OF CARPET AND FLOORING INSTALLATION AND REPAIR FOR THE COUNTY OF MERCER AND THE MERCER COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM AS AN OPEN-END CONTRACT. PERIOD FEBRUARY 18, 2019 TO FEBRUARY 17, 2021, WITH AN OPTION TO EXTEND FOR ONE (1) YEAR, BASED UPON THE INDEX RATE. TOTAL AMOUNT NOT TO EXCEED: \$702,000.00 (CK09MERCER2018-33B)

WHEREAS, the Mercer County Purchasing Agent has advertised for bids for the rebid of carpet and flooring installation and repair for use by the County of Mercer and the Mercer County Cooperative Contract Purchasing System for a period of two (2) years with the option to extend for one (1) year, based upon the index rate, as per Resolution No. 2018-89, adopted February 8, 2018; and,

WHEREAS, three (3) sealed bids were received on January 31, 2019 in connection with the aforementioned services; and,

WHEREAS, the bidders hereinafter designated are the lowest qualified bidders; and,

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Clerk to the Board

RECORD OF VOTE													
FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.	FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.
Cannon	X					✓	Melker				X		✓
Colavita	X						Walter	X					
Frisby	X						Cimino	X					
Koontz	X												

X—Indicates Vote Abs.—Absent N.V.—Not Voting
Res.—Resolution Moved Sec.—Resolution Seconded

WHEREAS, the bids received from the following vendors shall be awarded as an open-end contract for a period of February 18, 2019 through February 17, 2021, with the option to extend for one (1) year, based upon the index rate in the total amount not to exceed \$702,000.00, as follows:

BUZZY'S CARPET, INC.
238 14th AVE
SEASIDE PARK, NJ 08752

CONTRACT FLOORING SYSTEMS, LLC
40 COLLEGE STREET
TRENTON, NJ 08611

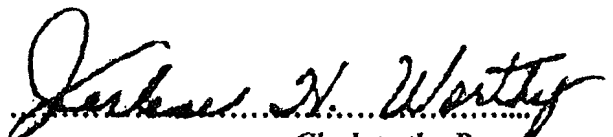
COMMERCIAL INTERIORS DIRECT, INC.
1 S. CORPORATE DRIVE
RIVERDALE, NJ 07457

(ALL VENDORS WILL EXTEND TO THE COUNTY CO-OP)

WHEREAS, the Chief Financial Officer of Mercer County has certified in writing the availability of funds for the purposes set forth in this Resolution; said certification is on file with the Clerk to the Board, and funds are contingent upon the inclusion in and adoption of the 2019, 2020 and 2021 Mercer County Budgets; now, therefore,

BE IT RESOLVED, that the County Executive and Clerk to the Board be and are hereby authorized to execute said contracts when presented in a form approved by County Counsel; and,

BE IT FURTHER RESOLVED, that the Clerk to the Board shall forward a copy of this Resolution to the Mercer County Purchasing Department for further distribution.


Clerk to the Board

**CARPET AND FLOORING FOR THE COUNTY OF MERCER AND THE MERCER COUNTY
COOPERATIVE CONTRACT PURCHASING SYSTEM FOR A PERIOD OF TWO (2) YEARS
WITH OPTION TO EXTEND ONE (1) YEAR**

INTENT

This Request for Bid is issued by the Department of Purchasing on behalf of All County Departments and Agencies. This is a re-procurement for Carpet and Flooring to solicit bid proposals for Installation and Repair for the County of Mercer. The intent of this RFB is to award one contract for a period of two (2) years with an option to extend one (1) year based upon the index rate to those responsible bidders whose bid proposal conform to this RFB. The County intends to purchase the carpet and flooring lines currently installed and referenced on the proposal pages. Prices shall remain firm for a period two (2) years. The County will award multiple contracts based upon the low unit price for each line item which is all-inclusive of labor and materials for new installations. Bidders are not required to bid upon every line item. Bidders will provide pricing as defined in the proposal pages. Bidders shall submit pricing for each line item. Do not submit multiple prices for one line item. Agencies will utilize brands and lines specified as the stated lines are currently installed; however, the County will require additional lines as well.

Bidders shall provide a cost per square yard for carpet rip-up, removal and disposal to a certified carpet reclamation center. The County will pay the prevailing wage rate plus ten percent for repair and work that is not all inclusive (new installations include labor and materials) including moving furniture. Bidders shall limit their submittal to those line items as reflected on the proposal page. **The County will not pay for travel.** All delivery for materials shall be F.O.B. destination.

NEW JERSEY PREVAILING WAGE ACT AND PUBLIC WORKS CONTRACTOR REGISTRATION ACT

The awarded contractors shall comply and adhere to all requirements of the New Jersey Prevailing Wage Act and Public Works Contractor Registration Act. Work associated with this contract shall be classified as "Carpenter, Resilient Flooring".

The vendor may voluntarily extend the contract to the Mercer County Cooperative Contract Purchasing members. These members include all contracting units located within the geographic boundaries of Mercer County.

Bidders shall provide the following supplies including but not limited to treads, synthetic and jute padding, reducers, patches, additives and floor levelers based upon a ten percent (10%) markup on wholesale pricing. Only manufacturer direct lines will be acceptable and vendors shall provide no more

than one bid per category of carpet or flooring. This term contract is to be used for initial installations and to facilitate the replacement or repair of existing carpet or flooring. No guarantee is made to purchase an amount of carpet from any bidder as a result of any contract awarded. The County shall pay for installation or repair as requested. All references to brand names shall be interpreted as brand or equivalent.

CARPET RECOVERY PROGRAM

Our Goal: To reduce landfilling of carpet. Vendors shall submit a cost per square yard for rip-up, removal and cartage to a reclamation center.

The County requires vendors to participate in recycling solutions to dispose of the County's old carpet and padding without sending it to a landfill. Awarded contractors shall remove and transport carpet to a certified reclamation center where carpet and carpet debris are sorted and prepared for recycling. There shall be no minimum yardage restrictions. Awarded contractors shall provide a certificate of reclamation upon removal and cartage to the reclamation facility.

BASIS OF AWARD

Contracts shall be awarded to the low bidders for the following: Based upon the lowest cost per square yard, per roll, or tile for materials and labor for new installations. All respondents must provide a cost per square yard to remove and transport carpet materials to a reclamation facility.

SECURITY CLEARANCES

As a condition of performing work, the contractor(s) shall provide a criminal history record background check for all personnel assigned to work at the Mercer County Correction Center and Trenton-Mercer Airport.

MERCER COUNTY CONTACT INFORMATION:

MERCER COUNTY BUILDINGS AND GROUNDS
300 SCOTCH ROAD, BUILDING 1
TRENTON, NEW JERSEY 08628
CONTACT PERSON: KARL THOMAS, GENERAL SUPERVISOR
TELEPHONE: 609-989-6181 OR 847-3023

MERCER COUNTY CORRECTION CENTER
RIVERROAD / ROUTE 29
TITUSVILLE, NEW JERSEY 08560
CONTACT PERSON: JOHN CALDERONE
TELEPHONE: 609-583-3550

MERCER COUNTY EMERGENCY SERVICES COMMUNICATION CENTER

350 LAWRENCE STATION ROAD
LAWRENCE, NEW JERSEY 08648
CONTACT PERSON: JEFF GOLOMB
TELEPHONE: 609-743-3979

MERCER COUNTY LIBRARY SYSTEM
2751 BRUNSWICK PIKE
LAWRENCE, NEW JERSEY 08648
CONTACT PERSON: MR. BOB REALI
TELEPHONE: 609-558-5443

MERCER COUNTY OFFICE OF THE SHERIFF
175 SOUTH BROAD STREET
P.O. BOX 8068
TRENTON, NEW JERSEY 08650-0068
CONTACT PERSON: MS. CATHLEEN GARTON
TELEPHONE: 609-989-6140

MERCER COUNTY PARK COMMISSION
HISTORIC HUNT HOUSE
197 BLACKWELL ROAD
PENNINGTON, NEW JERSEY 08534
CONTACT PERSON: MR. JOSEPH PIZZA, DIRECTOR OF OPERATIONS
TELEPHONE: 609-303-0709

MERCER COUNTY PROSECUTOR'S OFFICE
209 SOUTH BROAD STREET – 3RD FLOOR
TRENTON, NEW JERSEY
CONTACT PERSON: MS. MERECIS DIAZ
TELEPHONE: 609-989-6528

TRENTON-MERCER AIRPORT
1100 TERMINAL CIRCLE DRIVE
SUITE 301
WEST TRENTON, NEW JERSEY 08628
CONTACT PERSON: MS. MELINDA MONTGOMERY-TRAUM
TELEPHONE: 609-882-1601 EXT. 102

CARPET SPECIFICATIONS

The County requests bids for the product lines referenced on the proposal pages. This contract is to be used for initial installations and to facilitate the replacement and or repair of existing carpeting. Used carpet or discontinued lines are unacceptable. Contractor(s) will provide pricing per square yard for Carpeting and square foot for Vinyl Composition Tile and Rubber Floor Tile.

TRAFFIC CONDITIONS

The County will request light to heavy grade carpeting depending upon area and traffic.

CLASS 1 CLASS 2

Light/Moderate Heavy

CLASS 3

Heavy/Severe

BROADLOOM: TUFTED LOOP, WOVEN AND CUT PILE

To enhance the traffic class rating of broadloom carpet Agencies may select a Double Glue Down (G/D) method of installation, using padding types specified in Section 3.4 of this RFP. When applying this installation method and padding a Class 1 product is eligible and may be used in Class 2 environments, as would a Class 2 be used in a Class 3 application.

INSTALLATION/CONTRACTOR RESPONSIBILITIES

The contract vendors are responsible for all materials, tools, supplies and labor. The contractors shall supply all materials, including 5% overage on material orders to assure proper layout to successfully complete and service any one given purchase order.

SITE CONDITIONS

The environment in which the carpet is to be installed must be controlled with the temperature between 65 degrees F. and 95 degrees F. and the relative humidity between 10% and 65%. If installing over concrete, the slab temperature should not be less than 65 degrees F. These conditions must be maintained for at least 48 hours before, during and after the installation. Adequate ventilation is to be provided during the installation to eliminate or minimize odors. Concrete floors may require pre-testing for moisture and/or alkalinity. This testing will be the responsibility of the contract vendor.

SITE VISITS

Contractor(s) are required to visit sites, verify site conditions with requesting agency, show samples, measure areas and give quotations based upon bid price upon request of the Using Agency.

SAFETY

Work performed under this contract must comply with all appropriate **OSHA** standards.

SAFETY CODE REQUIREMENTS

All carpet layouts, submitted by the bidder shall meet all life safety code requirements.

FLOOR PREPARATION

Each sub-floor shall be inspected to determine the special care required to make it a suitable foundation for carpet. All cracks 1/8 inch wide or protrusions over 1/16 inch should be filled and prepped to a smooth finish.

CARPET OVER CARPET

Carpet shall not be installed over existing carpet.

LAYOUT

Carpet shall be laid according to recommendations of the manufacturer. Carpet shall be laid flat, level without humps or ripples. Joints shall be subtle and imperceptible. All seams shall be trimmed and sealed.

SCALE DRAWING

Orders will not be processed without sufficient data. A scale drawing of the area to be carpeted is required to determine quantities, quantity per dye lot, edge treatments, cushions, adhesives, moldings, and other accessories and to identify proper locations of seams.

GLUE-DOWN

Carpet ordered for direct glue down shall be installed using manufacturer's recommended adhesive and or equal, proper trowel size and application rate. Seam sealer shall be used on all joints and applied as per the manufacturer's recommendations.

INSTALLATION WITH PAD - DOUBLE GLUE-DOWN METHOD

Carpet ordered for installation over padding shall be installed using proper pad adhesive and pad type. Carpet shall be seamed using manufacturer's recommended seaming procedures.

FINISHES

Edge guard will be of heavy-duty vinyl or rubber reducer, having a minimum of two (2) inches in width.

COVE BASE

Molding will be standard four (4) inch vinyl with or without toe depending on the assessed needs of a particular work order. The bidder shall offer a minimum selection of four (4) standard colors.

VINYL COMPOSITION TILE (VCT) FINISHES

Bidder shall provide a square foot price for the tile, adhesive and installation. Installation, adhesive, trowel and transfer will be in accordance with manufacturers written specifications.

SEAMING

When laying out a job and preparing a quotation, vendor shall offer layout which contains the least number of seams. If the installation is of such a peculiar nature that keeping the number of seams to a minimum results in considerable waste, the vendor must discuss this matter with the Superintendent of Buildings and Grounds prior to submitting a quote to the purchasing Agency. Awarded contractors shall provide a seaming diagram to the County Project Manager.

PILE DIRECTION

Where two or more pieces of the same carpet are adjacent, the pile direction shall be the same as in other areas unless otherwise specified. Ideally, pile direction shall be toward the entrance; but other factors, such as pattern, aesthetics and economic use of material, may also be considered. Practical application for the use of materials is the criteria for pile direction.

FLOOR ADHESIVE (LOW VOC)

The contractor shall select the appropriate low VOC (volatile organic compound) adhesive and trowel notching recommended by the carpet manufacturer or adhesive supplier. A 100% transfer of the floor adhesive into the carpet backing, while maintaining full coverage of the floor, must be attained.

ROLLING

Rolling shall be performed with the lightest roller that will achieve 100% transfer of the floor adhesive into the carpet back. Refer to manufacturer's recommendation for roller weight.

MANPOWER

Each contractor shall employ qualified competent craftsmen in their respective lines of work. The contractor shall employ a full-time competent supervisor and necessary foreman and assistants, who shall be in attendance on the project site during progress of the work. The supervisor shall represent the contractor and all communications, given to the supervisor shall be binding as if given to the contractor. The contractor shall supervise, direct the work, and be solely

responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work under the contract.

DELIVERY/SCHEDULING

All delivery shall be F.O.B. destination. Packing for shipment shall be provided to adequately protect the product and insure safe shipment. Shipping cases shall be marked to show the name of the contractor, the name and address of receiving Using Agency Purchase Order Number. The contractor must notify the Using Agency at least forty-eight (48) hours in advance of shipment so that necessary arrangements can be made. All deliveries and installation work shall be performed during 8:00 a.m. to 11:00 p.m., Monday through Saturday. In the event the contractor fails to meet its delivery commitments, the County reserves the right to authorize the Using Agency to obtain items necessary to function properly from any available source. In such event, the order will be canceled and any difference in price shall be paid by the defaulting contractor. Deliveries shall be made at such time and in such quantities as ordered. The contractor shall be responsible for the delivery of product in first-class condition at the point of delivery, and in accordance with good commercial practice. Product lines supplied must be strictly in accordance with those contained in the contract award. Contractors supplying items not included within the terms of this RFP may have their contracts rescinded.

COORDINATION OF RIP-UP AND REMOVAL

The awarded contractor(s) shall provide rip-up and removal services within 5 days from the notice to proceed and shall complete the work within the time frame specified by the Supervisor of Buildings and Grounds and Park Commission.

STOCK ITEM – 30 CALENDAR DAYS NON-STOCK ITEM – 120 CALENDAR DAYS RESPONSIBILITY OF CONTRACTOR

The contractor shall be responsible for the performance of all work under this contract. The contractor shall be responsible for the acts and omissions of his employees. The contractor shall be responsible for any damages to buildings or individuals as a result of delivery and installation, and for all damage or destruction caused directly or indirectly by his operations to all parts of the work, both temporary and permanent, and to all adjoining property. The contractor shall furnish each employee, with an identification card, which shall contain, at a minimum, the employee's name and the name of the contractor's firm. The purpose of the I.D. card is for comparison with the list submitted by the contractor. The contractor shall prohibit its employees from disturbing papers on desks, opening desk drawers or cabinets, or using telephone or office equipment.

STORAGE, CLEANING AND FINAL CLEAN UP

The contractor shall confine its apparatus, the storage of its equipment, tools and materials, and its operations and workers to areas permitted by the County and shall not unreasonably encumber the site or the premises with its materials, tools and equipment. The contractor shall at all times during the progress of the work keep the premises and the job site free from the accumulation of all refuse, rubbish, scrap materials and debris caused by the operations, so that at all times the premises and site shall present a neat, orderly appearance. No existing or new materials can be discarded in County dumpsters or trash bins. Unusable scraps and other debris from the installation shall be removed from the premises; disposal is the responsibility of the vendor and shall not be disposed on County property. At the completion of the work, the contractor shall remove all tools and supplies from the project site.

INSPECTION AND ACCEPTANCE OF WORK

The County designee shall inspect the work upon delivery at mutually agreeable times. Such inspections are for the sole purpose of identifying the product and equipment and verifying the quantities ordered to provide a basis for payment to the contractor. Such inspections shall not be construed as final or as constituting acceptance of or taking charge or control over the product or equipment. If there are any apparent defects, damage, deficiencies or failure to conform to the contract documents, the contractor shall promptly remedy the same at its own expense. If any work is found to have defects, damage, deficiencies, or fails to conform to the contract documents; the contractor shall promptly remedy the situation at its own expense.

REPLACEMENT OF UNSATISFACTORY CARPET

In the event the carpet supplied is not wearing as per specifications, or requires an excessive amount of remedial maintenance, the contractor, after notice in writing by the County that such a situation exists, agrees to remove and replace the defective unit as per the original specifications within **ten (10)** days of such notice at no cost to the County.

GUARANTEES/EXTENDED GUARANTEES/WARRANTIES

The contractor shall provide manufacturer's normal warranty but shall guarantee all labor for a period of at least one (1) year from date of acceptance. Contractor shall promptly make whatever adjustments or corrections that may be necessary to cure any defects, including repairs of any damage to other parts of the systems resulting from such defects. Product wear warranties are specified.

NSF/ANSI 140-2007e SUSTAINABLE CARPET

In addition to traditional carpet lines, bidders shall provide products compliant with NSF 140-2007e. NSF 140-2007e requires sustainable performance and levels of achievement by which carpet materials and products are indicating progress

toward sustainability. It is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. The standard emphasizes disclosure of information on both impacts and benefits of a carpet or carpet product from an environmental and sustainability perspective.

EXTRA STOCK (APPLIES TO CARPET TILES ONLY IF REQUESTED)

Attic stock is additional carpet for future expansion and maintenance. All Attic Stock shall be in accordance with the Specifications and shall be of first quality. Up to ten percent (10%) shall be delivered to the site upon request and accepted and become the Owner's Attic Stock.

CONTRACT SPECIFIC DEFINITIONS

ADA - Americans with Disabilities Act (ADA), Note: Changes in level up to ¼" inch may be vertical with a secure edge treatment. Changes in levels between ¼" inch and ½" inch shall be beveled with a slope and secure. Changes in level greater than ½" inch shall be accomplished by means of a ramped finish.

Antimicrobial - The finish treatment capable of destroying or inhibiting the growth of disease causing microorganisms; an agent that destroys microorganisms that might carry disease.

Average Pile Yarn Density

$D = W \times 36 = \text{oz./cu.yd}$

w = pile yarn weight in ounces/sq.yd

t = pile thickness in inches as determined by ASTM D418 for loop styles

T = tuft height in inches as determined by ASTM D 5823 for cut pile styles.

Broadloom - A term used to denote carpet produced in widths of Six (6), Twelve (12) and Fifteen (15) feet.

Carpet Tiles - Carpet packaged as squares, with or without attached cushion backing. Also referred to as "Carpet Modular". Size of squares may vary.

Double Glue Down (G/D) Installation - Double glue down installation combines cushion and carpet into a floor covering system by gluing the cushion to the floor and the carpet to the cushion. This method is popular since it combines the stability of direct glue down with the cushioning benefits of a separate cushion. (accepted pad type; 62oz. flat rubber, accepted minimum carpet type; 26oz. action back)

Dye Lots - When carpet is dyed by certain methods, several separate tanks of dye solution (dye lots) may have to be prepared to dye the total number of

square yards of carpet specified for an installation. As a result, the carpet may vary slightly in color. Materials are to be purchased in single dye lots and installed in roll sequence within areas of the same common visual.

Electro-Static Propensity - Assesses the static – generating propensity of carpets developed when a person walks across them, in laboratory simulation. Results are expressed as kilovolts (kV). The threshold of human sensitivity is 3.5 kV, but sensitive areas may require that a lower kV product be specified.

Face Weight - The weight of the carpet pile including those portions of the pile that extend into the backing structure. Generally expressed in ounces per square yard. Face Weight combined with Density is the set criteria for this RFP.

Flammability - The test method, known as the “pill test’ involves subjecting a 9”x 9”inch specimen, which has been dried in an oven and ignited with a match, providing a standardized flame source for a period of about two minutes. If the flame is spread by the carpet more than three (3) inches from the point of ignition, the specimen fails. This test is required of all carpet manufactured in the U.S.

Fusion Bonding - Fusion bonding is a newer method of construction than tufting or weaving. Yarn is embedded between two parallel sheets of adhesive coated backing, which are then split apart, forming two sheets of cut pile carpet. This type of carpet has a higher density so it usually performs very well. Bonded carpet is available in both carpet tiles and six foot or twelve foot wide roll goods.

Gauge / Pitch - The number of ends of surface yarn counting across the width of carpet. If a tufted carpet has eight ends of yarn per inch, the gauge is 1/8. If it has ten ends of yarn per inch, the gauge is 1/10. In Woven carpet pitch is the standard measurement, If a woven carpet has eight ends per inch, the pitch is 216, or 8 x 27. If it has ten ends per inch, the pitch is 270, or 10 x 27. To convert gauge to pitch, take the inverse of the gauge and multiply by 27.

Glue Down Installation (G/D)- Direct glue down installations using adhesive can be made using carpet with an attached cushion or without an attached cushion. Carpet is glued full spread directly to the floor. Direct glue down carpets are; Broadloom (Unitary Back), 6’wide Vinyl backed and Carpet Tile.

NBS Smoke Density This standard is used to measure and describe the response of materials and products to heat and flame under controlled conditions. Flaming Mode: Less than <450@4 minutes.

Piece / Beck Dyeing - Color is applied from a dye beck (stainless steel tank) onto unfinished carpet consisting only of primary backing and un-dyed yarns.

Pile - The visible wear surface of carpet consisting of yarn tufts in loop and/or cut configuration; sometimes called "face" or "nap".

Pilling - A condition of the carpet face in which fibers from different tufts become entangled with one another, forming hard masses of fibers and tangled tufts. Pilling can be caused by heavy traffic.

Primary Backing - A component of tufted carpet consisting of woven or non woven fabric into which pile yarn tufts are inserted by the tufting needles. It is the carrier fabric for the pile yarn, and should not be confused with the secondary backing.

Radiant Panel Test - The flooring radiant panel test method evaluates the tendency of a floor system to spread flame. This test is measured in watts per square centimeter. Class 1 is considered to be a minimum rating of 0.45 watts per sq. cm. This measurement is reported as the minimum energy necessary to sustain flame propagation.

Retrofit Systems Furniture - To move / maneuver systems furniture allowing for a proper and complete carpet installation, satisfying visuals with no apparent gapping between carpet modular tile.

Secondary Backing - A reinforcing fabric laminated to the back of tufted carpet subsequent to the tufting process.

Skein / Yarn Dyed - Yarns are spun into skeins, which are stored and dyed as orders are obtained. This method can be used for spun yarns, bulked continuous filament yarns, heat set yarns, and non heat set yarns of almost any fiber type.

Self-Stick - self-adhering modular and broadloom carpet

Solution Dye - The fiber is dyed in its liquid state before it is spun into yarn. The carpet color becomes a permanent part of the fiber and will not fade or bleach out. Solution dyed carpet is inherently stain resistant.

Standard Back - Standard - Not all carpets are Unitary or Action backed products. For the purpose of this RFP standard back is defined as the backing that would normally be supplied with the specific product bid.

Square Yard - The symbols for square yard may be seen in this RFP as; S/Y, Sq. Yd., S/yd. etc. For the purpose of this RFP the unit price for carpeting will be estimated and purchased by the Square Yard

Tuft Bind - Tuft bind is the amount of force required to pull a tuft from the carpet. This measurement is important to consider when selecting carpet for high abuse areas such as schools or child development centers where there is a potential for unraveling. The minimum tuft bind, in average pounds of force, should be 10 pounds on any single pull.

Tufted Carpets - Tufting is the most widely used construction method. In tufting, loops of yarn are punched into a primary backing material and locked on the underside with a secondary latex backing.

Wear Class - Class 1 Class 2 Class 3 Moderate Heavy Extra Heavy

Woven Carpets - Weaving is the second most popular method of construction. The pile yarns are interlaced in one of many different techniques, each of which gives a different appearance to the carpet. Woven carpets also require less pile weight to achieve the same performance as tufted carpet.

All carpeting shall be manufactured using **100% NYLON**.

Lines

The lines/categories of carpet considered for award are stated on the proposal pages.

Carpets are to be purchased in **single dye lots** and **installed in roll sequence** within areas of the same common visual.

CARPET SPECIFICATIONS / PERFORMANCE STANDARDS

- Flammability: Passes: Surface Flammability
- DOC-FF-1-70
- Flame Radiant Panel Test NFPA Class 1 (average min.0.45wts.)
- ASTM-E-648 glue down.
- NBS Smoke Density: ASTM E-662-83
- Flaming Mode: Less than<450@4 minute
- Electro-Static Propensity AATCC-134
- 3.5 kV or less general conditions
- 2.0 kV or less for critical environments (technical/communication facilities)

- Tuft Bind (Minimum) ASTM D1335
- Action Back 10 pounds-force
- Carpet Tile 15 pounds-force
- Unitary 18 pounds-force
- Indoor Air Quality CRI Certification or ASTM D5116

**REQUIRED WARRANTY (MINIMUM): TEN (10) YEAR COMMERCIAL WEAR
(ALL CARPET) TEN (10) YEAR QUALITY ASSURANCE
CONSTRUCTION SPECIFICATIONS CARPET TILE / MODULAR – WOVEN –
BROADLOOM AND VINYL COMPOSITION TILE (FOR FINISHING ONLY)**

Carpet Description Level loop, Multi-level, Textured and Graphic Loop, Tip-shear, Cut and loop and Single level Cut Pyle (Multi-Color, Non Descript patterns as available)

Fiber Content 100% Continuous Filament Nylon Competitive (6) or (6.6) yarn

Dye System Solution, Yarn, Piece and Back

Note: Specifications listed above are common for all product styles. Items below are specific to individual categories.

Antimicrobial This treatment should be included in all carpets used in health care facilities and child development areas.

Gauge (Tile), (6', 6'6"wide) Not less than 1/10" gauge

Gauge/Pitch (Woven) Not less than 216 (1/8), 7.5 stitches per inch

Gauge 12' (Broadloom) Not less than 1/8" gauge

Backing system Composite/Reinforced Synthetic

Secondary Back (Tile) Economic/recycled, Fiberglass, Vinyl, and (6'wide) ErgoNomic/cushioned back, GlasBac, PVC etc.

Backing System (Broadloom) Unitary and Action

Backing Foundation (Woven) Interlaced into Pile

Standard Sizes 18"x18", 24"x24", 36"x36" (tile size must be within 1/32" of dimension specified)

Standard Width 6' and 12 feet - NOTE: 6' category includes (Woven and Broadloom) materials manufactured 6'6" wide

WARRANTY (TILE) WEAR 10 YEAR MINIMUM

(6' WIDE) EDGE RAVEL 10 YEAR MINIMUM

STATIC 10 YEAR MINIMUM TUFT BIND 10 YEAR MINIMUM

(WARRANTIES ARE LIMITED TO NORMAL USE FOR PRODUCT OUNCE WEIGHT AND DENSITY LISTED)

EXTENDED WARRANTY (WOVEN) LIFETIME LIMITED WOVEN/WEAR

STANDARD BROADLOOM WARRANTY 10 YEAR MINIMUM COMMERCIAL WEAR 10 YEAR MINIMUM QUALITY ASSURANCE

Vinyl Composition Tile (VCT) Specifications (to be used for finishing only):

Form: 12" x 12"

Gauge: 1/8"

Fire Test Data: ASTM E 648 Critical Radiant Flux - 0.45 watts/cm" or more – Class1
ASTM E 662 Smoke – 450 or less

TYPES & SPECIFICATIONS OF CUSHION - COMMERCIAL APPLICATION

Padding used for Double Glue-Down Installation Flat Rubber

Weight / Sq.Yd. **62oz** CLASS 3 Extra Heavy Thickness .156 ASTM D 3574-95

Density 33 lbs/cu.ft. ASTM D 3574-95

Compression Resistance 25%@7 psi ASTM D 3574-95

Deflection – PSI 65%@45 psi 601 /12151

*62oz product used as standard pad for double-glue down and quoted per square yard.

FLAT RUBBER

Weight / Sq.Yd. **100oz** CLASS 3 Extra Heavy Thickness .250 ASTM D 3574-95

Density 33 lbs/cu.ft. ASTM D 3574-95

Compression Resistance 25%@7 psi ASTM D 3574-95

Deflection – PSI 65%@50 psi 601 /12151

*100oz product used as upgrade pad for double-glue down and quoted per square yard Per manufacturer's pricing plus ten percent markup

FLAMMABILITY TESTS

ASTM E 662 PASS Smoke Chamber

ASTM E 84 – 94A CLASS B Tunnel Test

FF 1 – 70 PASS Pill Test

CRI Green Label I.D. # CC – 973417

RECYCLED CARPETING

SUMMARY

Procurement of carpet for energy and resource conservation, human health and wellbeing, environmental preservation

Comply with the following requirements for Sustainable Design and Construction

To minimize environmental burdens throughout the life cycle of the carpet that have an effect on a local, regional and/or global scale. Those that are of highest concern are global climate change, including the release of greenhouse gases, biodiversity, natural habitat preservation, stratospheric ozone layer depletion, ground level ozone, and indoor environmental quality.

Commitment: In order to assure the best and most healthful outcome, a commitment by the County to comply with and participate in the implementation of these objectives is required.

SUBMITTALS

Volatile Organic Compounds (VOC): must meet the current VOC limits of the Carpet and Rug Institute Green Label Plus Indoor Air Quality Test Program.

Carpet samples shall be tested for chemical emissions by an independent laboratory using a dynamic environmental chamber and using approved test methodologies developed and adopted by the USEPA and American Society for Testing and Materials (ASTM) D 5116 – Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products

Environmentally Preferable Purchasing

Environmentally Preferable Product Certification

Indoor Environmental Quality: VOC limits for sealants, adhesives and carpet products as recommended in the appropriate USEPA standards and guidelines.

QUALITY ASSURANCE

Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances and regulations of Federal, State and Municipal authorities having jurisdiction. Obtain all necessary approvals from all such authorities.

U. S. Green Building Council: Conform to all applicable requirements,

U.S. Environmental Protection Agency, EPA

PRODUCTS

Carpet: Throughout this contract shall be of the same type and manufacturer. Carpeting shall be:

Yarn: 100% first quality, bulk continuous filament nylon type 6.6 offering a construction and performance standards testing program by fiber producer. Hollow filament fiber shape for maximum soil release capability. Fiber identification to AATCC 20.

Static Control: By permanent means (i.e. antistatic filaments) and without chemical treatment, static generation below 3.5 kilovolts under standard conditions of 65 F and 20% relative humidity. Electrostatic Propensity (Step & Scuff): to AATCC 134.

Construction: tufted or woven, level or multi-level loop pile with maximum height variation of 1/32 inch

Dye Method: 100% Solution dyed

Backing:

Polypropylene or other appropriate backing noting recycled content

Resistance to Delamination: ASTM D3936 minimum 3.0 lbs./inch

Tuft Bind: ASTM D1335 minimum 10 lbs of force.

Pile density: minimum 7000 for heavy traffic

Flammability: ASTM 648, >0.45 watts/cm² critical radiant flux and/or federal, state or local requirements. Smoke Density: ASTM E662 Rating to be less than 450 Dmc in flaming mode (or to State Code). Must meet Federal Flammability standard DOC FF1-70 (Methenamine Pill test ASTM D2859)

Colorfastness to Light: AATCC 16 part 3, 200 AFU, International Gray Scale for Color Change rating min 3-4

Colorfastness to atmospheric contaminants: AATCC 164 (oxides of nitrogen) & AATCC 129 (ozone) for 2 cycles, International Gray Scale for Color Change rating min. 3-4.

Stain Resistance: AATCC 171 for 2 HWE to simulate removal of topical treatments by hot water extraction, followed by: AATCC 175, minimum level 8 using AATCC Red Dye 40 Scale.

Soil Resistance: An average of 3 fluorine analyses (AATCC 189) of a single composite sample to be a minimum of 500 ppm fluorine by weight when new and 400 ppm fluorine by weight after 2 AATCC 171 (HWE) cleanings.

Coloration: Minimum 5 color hues. Hue values to be in medium to medium-dark range for optimum soil hiding capability.

Appearance Retention: Vetterman Drum Test ASTM D5417 for 22,000 cycles. A minimum rating of 3.0 using CRI TM-101 Reference Scale. Testing without underpad or brushing

Indoor Air Quality: maximum allowable 0.5 mg/m²hr TVOC emission, ASTM D5116. Refer to Part 1, Section 1.2B. Meet CRI Green Label [Plus] requirements.

Recycling: New carpet - must be eligible for recycling by the supplying mill or fiber producer within an existing program; submit program parameters

- Existing Used Carpet - submit parameters/cost for current carpet reclamation program - landfill is not an option
- Acceptance of this program will be the option of the specifier

AUXILLARY MATERIALS

Adhesives, Primers and Sealers: Provide water-resistant and environmentally preferable types as expressly made or recommended by the carpet manufacturer for use with the particular carpet material, substrates, and application condition.

EXECUTION

INSTALLATION

Install in strict accordance with manufacturer's instructions and the following:

1. Inspect substrate and adjacent construction for proper installation conditions.
2. Correct any deficiencies prior to installation.

RECLAMATION

Due to the durable nature of carpet, direct reuse represents a good option. Carpet is often replaced long before it has become unusable. Good quality

used carpet can be sold to reuse centers. Some carpet may also be refurbished by taking it back for cleaning, retexturing, and dyeing.

Reclamation Agency: Facility providing used carpet recycling

SPECIFICATION FOR RIP-UP, REMOVAL AND CARTAGE TO RECLAMATION CENTER

Scope of Work

The County requires bidders to submit the cost per square yard to rip-up, remove and cart existing carpet and waste for diversion from landfills.

Collection

Carpet must be removed from the existing installation based on the type of material and jobsite conditions. Vendor shall audit the County facility to determine existing carpet type and the most efficient rip-up and collection method. Carpet removed from each jobsite must be tagged to show quantity and removal location and identify the fiber type (i.e. Nylon 6, Nylon 6.6 and polypropylene) and quantity submitted from each location for recycling. Contractor must provide all required manpower and equipment to perform the rip-up of the old carpeting. The bidder must submit with their bid package the completed carpet recycling checklist.

Specifications for removal from the jobsite:

A. Removal of post-consumer carpet tile for recycling:

1. Tile must be kept dry and free of any moisture damage.
2. Carpet tile must not contain any non-carpet debris.

B. Removal of post-consumer broadloom carpet for recycling:

1. The carpet must be accumulated and kept dry for shipping and processing.
2. Rolls must not contain any non-carpet debris.

Certification

A certificate and letter must be furnished by the vendor verifying the carpet and the pounds of material diverted from the landfill.

BIDDERS MUST COMPLETE THE FOLLOWING:

Type of Service to be Provided for Carpet Rip Up, Removal and Cartage to Reclamation Facility Service	SERVICE PROVIDED YES	SERVICE PROVIDED YES
Provide certificates for removal showing quantity and type of each carpet and carpet fiber		
Supervise and coordinate the process from rip-up and site removal and storage for cartage to a reclamation center		
Provide manpower and equipment required to rip-up old carpeting at jobsite		
Provide all equipment when performing rip-up service		
Provide Certificate from reclamation center detailing type of carpet and pounds diverted		

CLASS III ROPPE OR EQUIVALENT ARCHITECTS' MATERIAL SOLID VINYL TILE

SPECIFICATIONS

Flooring accessories shown in the finish schedule or listed herein as Vinyl Tile shall be Roppe's 1/8" (3.175mm) thick Northern Timbers Collection Solid Vinyl Tile (Wood Plank Appearance) manufactured by Roppe Corporation, Fostoria, Ohio. The tile shall be constructed of first quality laminated PVC, and shall be free from imperfections which detract from its appearance. The tile shall conform fully to ASTM F-1700-96, Class III, Type B.

ROPPE OR EQUAL ARCHITECTS' MATERIAL VINYL WALL BASE

SPECIFICATIONS SHALL BE 1/8" THICK

Flooring accessories shown in the finish schedule or listed herein as vinyl Cove Base or Wall Base shall be Type TV Thermoplastic Vinyl Roppe. VINYL WALL BASE, furnished by Roppe Corporation, Fostoria, Ohio. It shall be constructed of first-quality materials and shall be smooth and free from any imperfections which detract from its appearance. The base shall conform fully to the requirements of the Standard Specification F-1861, Type TV, Thermoplastic Vinyl, Group 2 (layered), Style A (Straight) or Style B (Cove), 1/8" thick.

ROPPE OR EQUAL RAISED DESIGN RUBBER FLOOR TILE

SPECIFICATIONS

All floor shown in the finish schedule or listed in this specification for heavy traffic areas shall be Roppe's or equal. RUBBER TILE, manufactured by Roppe Corporation, Fostorio, Ohio. The tile shall be homogeneously constructed of firstquality resilient rubber compound, and shall conform to ASTM F-1344, Class 1. The tile shall be 19-11/16" x 19-11/16" (50cm x 50cm) size, 1/8" (3.175mm) gauge and in the color selected.

ROPPE OR EQUAL ARCHITECTS' MATERIAL FOR RUBBER STAIR TREADS

SPECIFICATIONS

All stair treads indicated in the finish schedule or otherwise listed in this specification shall be Roppe's: Rubber Stair Treads manufactured by Roppe Corporation, Fostoria, Ohio. The treads shall be homogeneously constructed of first-quality resilient rubber compound. All treads shall be free from objectionable odors, blisters, cracks, and other imperfections which will detract from the serviceability and appearance of the treads. Stair treads shall conform to U.S. Federal Specification RR-T-650C, Composition A, Types 1, 2 and 4.

REFER TO THE FOLLOWING PAGES FOR:

SPECIFICATIONS FOR SLIP-RETARDANT TILE
ARMSTRONG SAFETY ZONE™ OR EQUIVALENT 12" X 12" TILE

SPECIFICATIONS FOR RUBBER TILE
ARMSTRONG RUBBER TILES OR EQUIVALENT 18 1/8" X 18 1/8" RAISED ROUND AND
RAISED SQUARE PATTERN

Slip-Retardant tile

Specification Data

SAFETY ZONE™ tile

Material

A composition of polyvinyl chloride resin, plasticizers, stabilizers, fillers, pigment and grit. The tile shall have a nominal 0.020 in. (0.51 mm) thick pattern layer containing grit.

Patterns and Colors

Color pigments are insoluble in water and resistant to cleaning agents and light.

Size

12 in. x 12 in. (305 mm x 305 mm) tile

Gauge (nominal thickness)

1.6 in. (3.2 mm) overall

Limitations

SAFETY ZONE should **NOT** be used in the following areas:

- Hospital operating rooms.
- Heavy industrial and outdoor areas.
- Commercial kitchens and commercial food processing areas.
- Where pointed spikes such as golf or track shoes will be used.
- Where the floor will be subjected to unusually concentrated static or dynamic loads.

Suitable for Application Over

- Concrete, terrazzo, and other dry, structurally sound monolithic subfloors, which are suspended or on grade.
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.72 cm) well-ventilated air space below.
- Certain metal floors and most existing single-layer resilient floors on approved underlayments.
- Radiant-heated subfloors with a maximum surface temperature of 85° F (29° C).

Unsuitable for Application Over

- Subfloors where excessive moisture or alkali is present.
- Sloper-constructed wood subfloors or wood floors applied directly over concrete.
- Lightweight aggregate concrete subfloors having a density of less than 90 lbs. per cu. ft. (1441 kg/m³) or cellular concrete having a plastic (wet) density less than 100 lbs. per cu. ft. (1502 kg/m³) (94 lbs. per cu. ft. (1506 kg/m³) dry weight), or concrete having a compressive strength of less than 3500 psi (24 MPa). Concrete slabs with heavy static and/or dynamic loads should have higher design strengths and densities calculated to accommodate such loads.

Concrete curing agents, sealers, hardeners, or parting agents should be removed.

TECHNICAL DATA

Shipping Weights

61 lbs./carton (27.7 kg); 45 tiles/carton

Gloss (typical value)

3-5

Reference Specifications

ASTM F 1066, Class 2 – through-pattern

Meets requirements for size, thickness, squareness, indentation, impact, deflection, dimensional stability, resistance to chemicals and resistance to heat.

Static Load Limit

ASTM F 970

125 psi (8.70 kg/cm²)

NOTE: Floors should be protected from sharp-point loads and heavy-static loads. High-heeled traffic (1000 psi (70.3 kg/cm²) or more) may visibly damage wood, resilient and other floor coverings.

Comparative Subjective Property Ratings

Durability – Very Good
Maintainability – Good
Resilience – Good

Subjective ratings (excellent, very good, good, fair) are in relation to other Armstrong commercial resilient floors. Ratings are not directly related to any one test. They are broadly based on tests and experience of Armstrong Research and Development under varying conditions and circumstances. These ratings should not be used for comparison to ratings used by other manufacturers to rank their own products.

Fire Test Data

ASTM E 648 Flooring Radiant Panel Critical Radiant Flux –

0.45 wats/cm² or more, Class I

ASTM E 662 Smoke Chamber Specific Optical Smoke Density –

45.0 or less

Numerical flammability ratings alone may not define product performance under actual fire conditions. These ratings are provided only for use in the selection of products to meet specified limits.

INSTALLATION

Job Conditions

Subfloors/underlayments shall be dry, clean, and smooth. They shall be free from paint, varnish, solvents, wax, oil, existing adhesive residue, or other foreign matter.

For more detailed requirements of concrete, wood and metal subfloors, as well as wood and trowelable underlayments, refer to *Armstrong Guaranteed Installation Systems* manual, F-5061. Calcium Chloride Tests for moisture must be conducted.

Armstrong offers a guideline of a maximum acceptable moisture emission level of 3.0 lbs. for SAFETY ZONE with S-230 Adhesive, and 5.0 lbs. with S-49, S-700, S-515 and S-750 Adhesives per 1000 sq. ft. per 24 hours. Bond Tests should also be conducted for compatibility with the substrate. When testing for alkalinity, the allowable readings for the installation of Armstrong flooring are 5 to 9 on the pH scale.

Maintain room temperature at a minimum of 55° F (13° C) for 48 hours before installation, during installation and 48 hours after completion. We recommend a maximum room temperature of 100° F (38° C) when installing commercial tile with S-49, S-515, S-700 or S-750; or a maximum temperature of 85° F (29° C) when installing SAFETY ZONE with S-230. Maintain a minimum temperature of 55° F (13° C) thereafter. Condition all flooring materials and adhesives to room temperature at least 48 hours prior to starting installation. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

Procedure

Must be installed over wood underlayment with S-515, S-230 Epoxy, S-700 or S-750 Adhesive. Install over concrete, ceramic, marble or terrazzo with S-49, S-230 Epoxy, S-515, S-700 or S-750 Adhesive. Install over steel, stainless steel, aluminum and lead with S-49, S-230 Epoxy or S-700 Adhesive. Install over other metal with S-230 Epoxy or S-700 Adhesive. Install over existing resilient floors with S-230 Epoxy, S-515 or S-750 Adhesive. When installing SAFETY ZONE in produce areas, around freezers, at entryways, and other areas subject to surface water or cooler temperatures, install the first 3 to 5 rows with S-230 Epoxy. Other rows may be installed with S-49, S-515, S-700 or S-750 adhesives.



MAINTENANCE

Initial Maintenance Immediately After Installation

- Sweep or vacuum thoroughly.
- Damp mop with a dilute neutral detergent solution such as Armstrong S-485 Floor Cleaner – carefully wiping up black marks and excessive soil.
- SAFETY ZONE requires two coats of high-quality commercial floor polish, such as Armstrong S-480 Floor Polish to protect the floor until regular maintenance procedures can be started.
- Do not wash, scrub or strip the floor for at least four to five days after installation.

Preparation for Commercial Use

For specific, ongoing maintenance procedures, see *Armstrong Commercial Resilient Flooring Maintenance Recommendations* booklet, F-8663.

WARRANTIES

Armstrong warrants its regular (first quality) vinyl sheet flooring and vinyl composition tile to be free from manufacturing defects for five years from the date of purchase if installed according to the *Armstrong Guaranteed Installation Systems* manual, F-5061. See *Armstrong Commercial Floor Warranty*, F-3949 for terms and conditions.

WARNING: EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE.

These existing in-place products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the existing in-place product is a non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern removal and disposal of material.

See current edition of the Resilient Floor Covering Institute (RFCI) publication *Recommended Work Practices for Removal of Resilient Floor Coverings* for instructions on removing all resilient floor covering structures or contact your retailer or Armstrong World Industries, Inc. 1 800 233 3625.

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F-7641-1107

STAIR TREADS/RISERS/LANDING TILES



60 jet black



61 graphite gray



71 mid gray



Treads are available with slightly raised discs or squares.



64 fresh taupe



14 turtledove



69 light gray

STAIR TREADS/RISERS/LANDING TILES Product Availability Chart

PRODUCT	GAUGE	PROFILE	SIZE	WT. NOM.	PIECES/CTN	SQ/UF PER CTN
TILES	0.125 in. (3.2 mm)	Raised Round	16-1/8 in. x 16-1/8 in. (460.36 mm x 460.36 mm)	50 lbs. (23 kg)	20	45.625 SF
	0.125 in. (3.2 mm)	Raised Square	16-1/8 in. x 16-1/8 in. (460.36 mm x 460.36 mm)	50 lbs. (23 kg)	20	45.625 SF
STAIR TREADS	0.130 in. (3.3 mm)	Raised Round	13 in. x 46 in. & 72 in. (330.2 mm x 1219.2 mm x 1828.8 mm)	36 or 57 lbs. (17 or 26 kg)	5	20 LF/30 LF
	0.130 in. (3.3 mm)	Raised Square	13 in. x 46 in. & 72 in. (330.2 mm x 1219.2 mm x 1828.8 mm)	36 or 57 lbs. (17 or 26 kg)	5	20 LF/30 LF
RISERS	0.125 in. (3.2 mm)	Coved Riser	7 in. x 46 in. & 72 in. (177.8 mm x 1219.2 mm x 1828.8 mm)	36 or 57 lbs. (17 or 26 kg)	20	60 LF/120 LF
Stair Treads for the visually impaired available						

visit www.armstrong.com/accessories • call 1 877 ARMSTRONG

**CARPET AND FLOORING MATERIALS
SUPPLIES & INSTALLATION
INSTRUCTIONS FOR USING AGENCIES AND AWARDED CONTRACTORS**

INTENT

The using agency shall obtain quotes from the awarded contractors for the category and type of carpet being purchased, prior to purchase order issuance. Contractors shall provide the total number of man-hours required to complete the carpet installation. It is anticipated that work will be performed during normal eight (8) hour per day periods. However, in the rare event that installation must be performed after hours, the number of overtime man hours to be performed at the overtime rate shall be included in the "Not to Exceed Estimate". See "Overtime Allowance" for overtime payment. No overtime is permitted without prior consent of the using agency. Using agencies shall maintain all quotes received on file. The award document contains listings of carpet by category and region and lists the individual brand, description, density, ounce weight, method of installation, contractor, contract and line numbers associated with each, as well as cost per square yard.

INSTALLATION (Priced per square yd.)

Standard Backing, Action, Etc. Direct Glue-Down Installation
Carpet Tile Direct Glue-Down Installation
Self-Stick Carpet Tile Installation
Carpet – 6' Wide Roll Direct Glue-Down Installation

EDGING/BINDING

4" Vinyl Cove Base Installed
Vinyl Finish Edging – Molding – Reducers Installed
Rubber Finish Edging Installed
Carpet Cove Binding Installed

VINYL TILE FOR FINISHING AREA (Priced per square ft.)

Vinyl Tile Installation for Finishing Area Only

REPAIR AND FURNITURE MOVEMENT

"Carpenter, Resilient Flooring".

Priced per man-hour at the prevailing wage rate plus 10% for repair and patching; Furniture movement – charges for movement of normal office furniture; Retrofit charges-cost to retrofit carpet under existing systems furniture

REMOVAL AND DISPOSAL

Removal and disposal of old carpet and materials - Priced per square yd.

OVERTIME ALLOWANCE – Department of Labor (DOL) Hourly Prevailing Wage Rate Net price line

NOTE: In the event overtime is required, charges shall be applied per the Department of Labor Prevailing Wage Rates available at the following website: <http://www.nj.gov/labor/lse/wagerate.htm>. Rates are listed for Mercer County. The classification is "Carpenter: Resilient Flooring" and the rate used is the Journeyman rate.

RATE CALCULATION: The installation rate for the straight time, new installation is included in the initial square yard installation price. When calculating time and one-half for Monday through Friday (before & after regular hours) including Saturday, calculate at a rate of 1/2 the DOL Prevailing Wage hourly rate x the number of hours worked. Sundays and holidays are calculated at the full DOL Prevailing Wage hourly rate x the number of hours worked.