



Certified UBU Synthetic Turf Installers

1311 Cuesta Abajo Ct. NE Ste B
 Albuquerque, NM 87113
 Toll Free 877-395-1978 Fax 505-243-2975

CMAS Contract #4-15-78-0033B

www.sport-surfaces.com

June 1, 2015

Kristi McClure Huckaby, Director of Recreation
 City of Chula Vista, Building C
 276 Fourth Avenue
 Chula Vista, CA 91910

Re: Salt Creek Community Park
 Speed Soccer Turf Replacement

Dear Mr. Day:

We will furnish the material, labor and equipment for the complete work of PR322 through Addendum #1. Included in the work is;

1. Remove existing artificial turf.
2. Re-grade and level arena base with laser level, add base materials if needed.
3. Drainage with J-Drain Turfcore Drain Shock mats.
4. Install artificial turf for outdoor public use. UBU M4R monofilament with SBR infill. Field lines to be tufted at factory, layout per plans.
5. Install rubber infill system or sand rubber combination at a manufacturer-approved weight and ratio. Must pass G-Max testing. All seams on fabric to be sewn or a hot glue system.
6. Clean up and removal and disposal of all debris.
7. G-Max testing and certification upon completion of the install.
8. Fencing removal and replacement by GB's Fence Company.
9. Annual maintenance for one year.

The cost for the work through CMAS contract #4-15-78-0033B is:

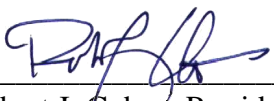
CMAS Part #	Description	Qty	Unit	Price	Total
G-3305-507	Demo & Dispose Synthetic Turf	15500	Sq. Ft.	\$ 0.41	\$ 6,355.00
G-3305-700	UBU M4 2" Synthetic Turf	15500	Sq. Ft.	\$ 3.73	\$ 57,815.00
G-3305-042	Ground Rubber Infill	15500	Sq. Ft.	\$ 0.97	\$ 15,035.00
G-3305-049	Soccer Lines Inlaid	1	Ea.	\$ 5,800.00	\$ 5,800.00
G-3505-026	J-Drain Flat Surface Drain	1938	Lin. Ft.	\$ 14.50	\$ 28,101.00
G-3305-509	Mobilization	15500	Sq. Ft.	\$ 1.37	\$ 21,235.00
M-011-490	Fence repair	21	Lin. Ft.	\$ -	n/c
M-011-333	Groom Field	15500	Sq. Ft.	\$ -	n/c
M-011-489	Bond			1.50%	\$ 2,015.12
					\$ 136,356.12

OPTION #1: NON-SBR INFILL

Use EPDM rubber in lieu of SBR rubber. ADD: \$9,280.00

Yours truly,

SPORT SURFACES DISTRIBUTING, INC.

By  _____
Robert J. Cohen, President

INTENSITY™ S4-R



ground gear for athletes™



INTENSITY™ S4-R

PRODUCT TEST RESULTS

WWW.UBUSPORTS.COM
1-800-828-8700

TEST CODE	TEST RESULT	TEST DESCRIPTION	TEST NAME
ASTM F355-01	Gmax 105 HIC 308	Gmax RATING	Standard test method for shock-absorbing properties of playing surface systems and materials
ASTM F1015-03	18 ± 2	RELATIVE ABRASIVE INDEX	Standard test method for relative abrasiveness of synthetic turf playing surfaces
ASTM F2117-01	27.2 INCHES / 69.0 CM	AVERAGE BALL REBOUND HEIGHT	Standard test method for vertical rebound characteristics of sports surface/hall systems; acoustical measurement
ASTM F2117-01	0.41 (CR)	COEFFICIENT OF RESTITUTION (CR)	Standard test method for vertical rebound characteristics of sports surface/hall systems; acoustical measurement
ASTM F1551-03	35.7 INCHES / 90.7 CM	AVERAGE BALL BOUNCE	Standard test methods for comprehensive characterization of synthetic turf playing surfaces and materials
ASTM F1551-03	STATIC COF: 1.40 DYNAMIC COF: 1.10	SOCCER SHOE TRACTION – DRY	Standard test methods for comprehensive characterization of synthetic turf playing surfaces and materials
ASTM F1551-03	STATIC COF: 1.40 DYNAMIC COF: 0.90	SOCCER SHOE TRACTION – WET	Standard test methods for comprehensive characterization of synthetic turf playing surfaces and materials
ASTM F1551-03	STATIC COF: 1.60 DYNAMIC COF: 1.10	FOOTBALL SHOE TRACTION – DRY	Standard test methods for comprehensive characterization of synthetic turf playing surfaces and materials
ASTM F1551-03	STATIC COF: 1.40 DYNAMIC COF: 1.10	FOOTBALL SHOE TRACTION – WET	Standard test methods for comprehensive characterization of synthetic turf playing surfaces and materials
ASTM D5848-07	67.17 OZ Y ² / 2.28 KG M ²	TOTAL WEIGHT	Standard test method for mass per unit area of pile yarn floor coverings
ASTM D5848-07	40.97 OZ Y ² / 1.39 KG M ²	PILE WEIGHT	Standard test method for mass per unit area of pile yarn floor coverings
ASTM D5848-07	7.85 OZ Y ² / 0.27 KG M ²	PRIMARY BACKING WEIGHT	Standard test method for mass per unit area of pile yarn floor coverings
ASTM D5848-07	18.35 OZ Y ² / 0.62 KG M ²	SECONDARY BACKING WEIGHT	Standard test method for mass per unit area of pile yarn floor coverings
ASTM D5823-05A	2.10 INCHES / 53.34 MM	PILE HEIGHT	Standard test method for tuft height of pile floor coverings
ASTM D1335-05	EXCEEDS STC STANDARDS	TUFT BIND STRENGTH	Standard test method for tuft bind of pile yarn floor coverings
ASTM D5034-09	(MMD) 243.0 LBS FORCE / 1,081 N	GRAB TEAR STRENGTH	Standard test method for breaking strength and elongation of textile fabrics (grab test)
ASTM D5034-09	(CMD) 227.0 LBS FORCE / 1,014 N	GRAB TEAR STRENGTH	Standard test method for breaking strength and elongation of textile fabrics (grab test)
ASTM D5793-05	9 PER 3 INCHES / 9 PER 7.6 CM	STITCHES PER 3 INCHES	Standard test method for binding sites per unit length or width of pile yarn floor coverings
ASTM D5793-05	3/8 INCH / 9.5 MM	MACHINE GAUGE	Standard test method for binding sites per unit length or width of pile yarn floor coverings
ASTM D2859-06	PASS	FLAMMABILITY - PILL BURN	Standard test method for ignition characteristics of finished textile floor covering materials
ASTM E848-08B	N/A	FLAMMABILITY - RADIANT PANEL	Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source
ASTM F1951-09	PASS	WHEEL CHAIR ACCESSIBILITY	Standard specification for determination of accessibility of surface systems under and around playground equipment
BS7044 - METHOD 4	EXCEEDS 40 INCHES (1016 MM) PER HR	INFILTRATION RATE	Determination of infiltration rate-buffered ponding-type infiltrometer
ASTM D1907-07	9.385 DENIER / 10,428 DTEX	FIBER DENIER	Standard test methods for linear density of textile fibers by the Skain Method
ASTM D3218-07	0.00450 INCHES / 0.11 MM	FIBER THICKNESS	Standard specification for polyolefin monofilaments
ASTM D3218-07	0.40 INCHES / 10.16 MM	FIBER WIDTH	Standard specification for polyolefin monofilaments
ASTM D789-07	248°F / 120°C	FIBER MELTING POINT	Standard test methods for determination of solution viscosities of polyamide (pa)
ASTM D792-08	0.951	FIBER SPECIFIC GRAVITY	Standard test methods for density and specific gravity (relative density) of plastics by displacement
ASTM D2256-02(2008)	24.07 LBS / 107.1 N	FIBER BREAKING STRENGTH	Standard test method for tensile properties of yarns by the single-strand method
ASTM D2256-02(2008)	47.5 %	FIBER ELONGATION	Standard test method for tensile properties of yarns by the single-strand method

Individual Testing Reports are available upon request, which provide the detailed test results and specific procedures.

ALL TESTS PERFORMED BY TESTING SERVICES, INC., DALTON, GA



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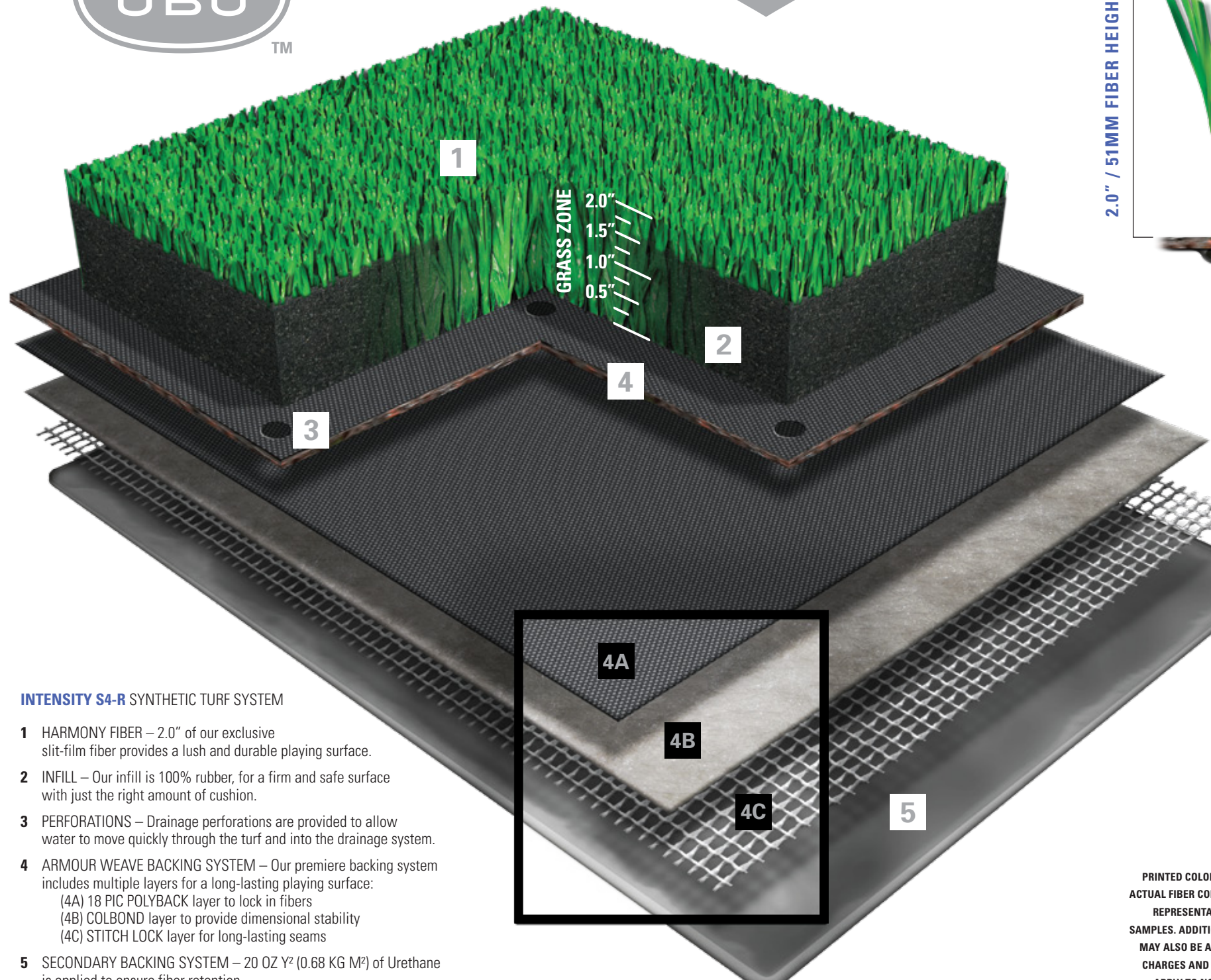
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INTENSITY™ S4-R

UI4151APAR

The UBU Intensity Series is engineered to provide sustainable performance and safety while featuring reduced maintenance requirements due to its intelligent design. Available in various fiber profiles, all featuring an all rubber infill, Intensity Series products are designed for individuals that crave physical intensity not constant maintenance.



PRODUCT FEATURES

INFILL RUBBER	DENSITY RATING 738	FIBERS PER SF 1024	ISO GRID 3/8 ^g 8/3 ^s	INSURED WARRANTY 8 YEARS
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FOR MORE INFORMATION ABOUT THESE AND OTHER PRODUCT FEATURES, VISIT OUR WEBSITE: WWW.UBUSPORTS.COM

PRODUCT SPECIFICATIONS

SPECIFICATIONS	GRASS ZONE	MICRO BED	PRODUCT SPECIFICATIONS: UI4151APAR
GRASS ZONE FIBER	HARMONY FIBER	N/A	GRASS ZONE: 41 OZ Y ² / 1.39 KG M ²
FIBER TYPE	AMS-SLIT FILM	N/A	MICRO BED: N/A
FIBER HEIGHT	2.0 INCHES / 51 MM	N/A	ARMOUR WEAVE BACKING: 8 OZ Y ² / 0.27 KG M ²
FIBER DENIER	9,000 DENIER / 10,000 DTEX	N/A	URETHANE BACKING: 20 OZ Y ² / 0.68 KG M ²
FIBER MICRONS	115	N/A	TOTAL SYSTEM WEIGHT: 69 OZ Y ² / 2.34 KG M ²
FILAMENT STRUCTURE	7 FIBRILS	N/A	INFILL: RUBBER: 3.5 LBS FT ² / 17.08 KG M ²
FIBRIL WIDTH	0.0472 INCHES / 1.2 MM	N/A	INFILL: SAND: N/A

REFER TO THE PRODUCT SPECIFICATION SHEET FOR FURTHER TECHNICAL DETAILS AND MANUFACTURING TOLERANCES

INTENSITY S4-R SYNTHETIC TURF SYSTEM

- HARMONY FIBER** – 2.0" of our exclusive slit-film fiber provides a lush and durable playing surface.
- INFILL** – Our infill is 100% rubber, for a firm and safe surface with just the right amount of cushion.
- PERFORATIONS** – Drainage perforations are provided to allow water to move quickly through the turf and into the drainage system.
- ARMOUR WEAVE BACKING SYSTEM** – Our premiere backing system includes multiple layers for a long-lasting playing surface:
 - (4A) 18 PIC POLYBACK layer to lock in fibers
 - (4B) COLBOND layer to provide dimensional stability
 - (4C) STITCH LOCK layer for long-lasting seams
- SECONDARY BACKING SYSTEM** – 20 OZ Y² (0.68 KG M²) of Urethane is applied to ensure fiber retention.

FIELD GREEN	STANDARD COLOR						OPTIONAL COLORS						
	WINTER GREEN	LAWN GREEN	PUTTING GREEN	OLIVE GREEN	LIME GREEN	BROWN	GOLD	YELLOW	ORANGE	RED	MAROON	PURPLE	DARK BLUE
	NAVY	BLUE	LIGHT BLUE	SILVER	GRAY	WHITE	BLACK						

PRINTED COLORS ONLY APPROXIMATE ACTUAL FIBER COLORS. ASK YOUR SALES REPRESENTATIVE FOR EXACT COLOR SAMPLES. ADDITIONAL CUSTOM COLORS MAY ALSO BE AVAILABLE. ADDITIONAL CHARGES AND MINIMUM QUANTITIES APPLY TO NON-STANDARD COLORS.