



May 26, 2026

**TRACK+FIELD REPLACEMENT & NEW RESTROOM BUILDING AT
CHUALAR UNION SCHOOL DISTRICT
24285 LINCOLN ST.
CHUALAR, CA 93925**

PBA #: 24033

BID ADDENDUM #2

This addendum forms a part of the Contract Documents and modifies the original Project Manual and Drawings, as well as any Addendum previously issued, as noted below. Bidders are required to acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to acknowledge receipt of each addendum may subject bidder to disqualification.

District Documents:

1. Mandatory Bid Walk Sign-In Sheet, see attached:
2. During the bid walk, we noticed that there is no adequate access point to the track for paving vehicles and equipment. Should the contractors assume to remove and replace the existing fencing to allow space for vehicles to enter and exit the field?
 - o **Response:** Field access shall be coordinated directly between the District and the awarded Contractor following contract award.
3. Substitution Approval:

Synthetic Track Surface: Approved substitution request submitted by Rachel Barajas (MPE) dated 5/20/26 is hereby accepted for bidding and construction purposes. See attached.

Approved substitute shall comply with all requirements of the contract documents unless otherwise noted. Contractor shall coordinate all related work and verify compatibility with adjacent materials and systems.

No additional cost or time extension shall be granted as a result of this substitution unless specifically approved in writing.
4. Substitution Approval:

Synthetic Turf: Approved substitution request submitted by Nic Paschini dated 5/19/26 is hereby accepted for bidding and construction purposes. See attached.

Approved substitute shall comply with all requirements of the contract documents unless otherwise noted. Contractor shall coordinate all related work and verify compatibility with adjacent materials and systems.

No additional cost or time extension shall be granted as a result of this substitution unless specifically approved in writing.

5. Substitution Approval:

Synthetic Turf: Approved substitution request submitted by Nathan Waldorf (FieldTurf) dated 5/19/26 is hereby accepted for bidding and construction purposes. See attached. Approved substitute shall comply with all requirements of the contract documents unless otherwise noted. Contractor shall coordinate all related work and verify compatibility with adjacent materials and systems.

No additional cost or time extension shall be granted as a result of this substitution unless specifically approved in writing.

End of Addendum



Peartree+Belli

ARCHITECTS

235 Monterey Street, Suite B, Salinas, California 93901 | 831.424.4620 | peartreebelli.com

MANDATORY BID WALK SIGN-IN		
CHUALAR UNION ELEMENTARY SCHOOL - TRACK + FIELD REPLACEMENT & NEW RESTROOM BUILDING		
May 19, 2026 @ 3:00 pm		
NAME	COMPANY	EMAIL ADDRESS
Tom Burns	AstroTurf	Tom.burns@AstroTurf.com
LUKE VANDERKLOOF	MCGUIRE HESTER	ESTIMATING@MCGUIREANDHESTER.COM
Conner Schivo	Monterey Peninsula Engineering	conner@mpe2000.com
Art pomarenko	SPB Designs Inc	bids.jpbdesigns@gmail.com
Alex Kimura	KYA Services	NorthEstimating@Thekyagroup.com
Jonah Shannon	Avila Construction	jonah@avilaconst.com
Simon Fink	Ausonia Inc.	bids@ausonia.com
Antonio Guido	MPC Construction	AGUIDO@MPCGC.COM
Josue Cuellar	Bobo Construction Inc	bestimating@boboconstructioninc.com
Antonio Sabazar	JCO Engineering inc.	estimating@jcoengineering.com
Greg Phelan	Seamair Construction Inc	gphelan@seamairinc.com
JUAN ROMERO	DON CHAPIN CO.	jromero@donchapin.com
Juan Barboza	Carpenters LU 646	jbarboza@ncscarpenters.org
PANDY LAMM	DILBECK + SONS	ERICK@DILBECKANDSONS.COM
Lang Fan	BFS	Lang@bfsa.com

CSI Form 13.1A

SUBSTITUTION REQUEST FOR CAUSE

Project: Track & Field Replacement and New Restroom Substitution Request Number: _____
From: Rachel Barajas (MPE)
To: Thomas Medrano Date: 5/20/2026
A/E Project Number: _____
Re: _____ Contract For: _____

Specification Title: Synthetic Track Surface Description: Track Supplier
Section: 321823 Page: 645 Article/Paragraph: _____

Proposed Substitution: Track Supplier
Manufacturer: Stobitan Address: 20 Columbia Boulevard Phone: 304- 624-7002
Trade Name: _____ Model No.: _____
Installer: Sport Build Address: 14621 SW 126th Ave, Tigard, OR Phone: 805-503-5063
History: ☐ New product ☐ 1-4 years old ☐ 5-10 years old ☒ More than 10 years old

Differences between proposed substitution and specified product: We are requesting to review the above supplier as an approved equal for the synthetic track surface. The are an American company who has worked on similar projects.

☐ Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: See attached.

Similar Installation:

Project: _____ Architect: _____
Address: _____ Owner: _____
Date Installed: _____

Proposed substitution affects other parts of Work: ☐ No ☐ Yes; explain _____

Savings to Owner for accepting substitution: See attached. (\$ _____).

Proposed substitution changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

SUBSTITUTION REQUEST FOR CAUSE

(Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: Rachel Barajas

Signed by: Rachel Barajas

Firm: Monterey Peninsula Engineering

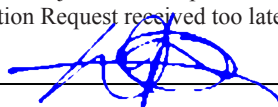
Address: 192 Healy Ave, Marina Ca 93933

Telephone: 831-277-8711

Attachments: ☐

A/E's REVIEW AND ACTION

- ☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by:  Date: 05/26/26

Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ A/E
☐ Other:

 **PURer SPEED®**



For decades, Stobitan® has been a globally trusted choice, installed at numerous facilities around the world. Every system is made up of Stobiast® S products with a proven track record — developed for unmatched durability and reliability. Choose Stobitan® for cutting-edge performance in every application.



Colors and Systems

Stobitan® is Brilliant

The symbolism of color is one of the most thrilling aspects of making your track unique. At STOCKMEIER Urethanes, our color options enhance the meaning of your design by fostering emotions of happiness, excitement, and pride, that your athletes and community will be proud of. Frame your field with brilliancy so that it is as radiant as your athletes during their victory lap.

Stobitan® is The Right Track

From high school training to world class competitions – Stobitan® surfaces provide ideal properties to exceed your expectations by using our crafted Stobielast® S products.

- Superior wear resistance
- High energy return
- Spike tested
- Recycled content
- Optimal mechanical properties
- Quality tested



Stobitan®
Full Pour
System



Stobitan® XS
Full PUR
System



Stobitan® SW
Sandwich
System



Stobitan® SSC
Sealed Basemat
and Spray Coat



Stobitan® SC
Basemat and
Spray Coat



World Athletics Certified



EN 14877



DIN 18035-6



UL GREENGUARD Certified



UL GREENGUARD Gold Certified



LEED® Credits Certified



Impermeable Surface



Permeable Surface



Encapsulation Option



Contact us about our UL GREENGUARD and GREENGUARD Gold certified products.



Stobitan® Water-based Solutions

Revitalizing Your Venue

Colors need to be radiant. Bring color back to your track by installing a Stobitan® water-based spray coating with excellent properties ensuring color stability and longevity. Our systems are not only designed to build new sport surfaces, but to revitalize an existing running track surface breathing new life and team spirit into your facility. We can cater to your team colors so you can express your team spirit. It is a perfect way for you to stand out and to unite. Together, we will create that energizing spray of color that your athletes and community will continue representing with honor.

Vibrant and Eco-Friendly Technology

The Stobitan® water-based system creates a full coverage, eco-friendly spray coating to protect and revitalize your track bringing it back to its former glory. Your spray coating applies perfectly and precisely creating a high-quality, stunning track surface. Be bold and request an athletic complex that makes a statement for victory.

Choose Stobitan® to be your vehicle to success creating the right sports surface. Stobitan® with its Stobielastr® components will enable you to create your home advantage.

Turf Underlayment Systems

Crumb rubber filled artificial turf sounds like the equivalent to a horse drawn cart in today's world. We have the "self-driving car" for your needs. Stobielastr® products will take your field to the next level.

Removing the rubber infill or alternative materials such as cork out from the turf enables STOCKMEIER Urethane to create an adjustable underlayment. Combined with the right turf, Stobielastr® products will absorb big impacts, reduce surface heat, allow water drainage, and provide a high traction surface for foot speed and stability. Our turf underlayment systems represent the most sustainable products and design in the industry, as they are paved insitu to outlast the turf.

Stobitan® EL: Single Layer Elastic Rubber System

Stobitan® ET: Single Layer Elastic Stone and Rubber System

Additional Featured Stobielastr® Solutions

Stobigym® Indoor Surfacing



Stobiplay Recreational Surfacing



What do the above product lines, and the Stobitan® running track and artificial turf underlayment surfaces have in common? High-quality Stobielastr® S products from STOCKMEIER Urethanes.



Stobitan® Track Record

STOCKMEIER Urethanes' co-founder Edwin Martinkat was one of the polyurethane pioneers in the rubberized running track industry throughout the world. He developed and perfected these creations throughout his career to provide premium products for the market. Stobitan® track and field systems have been installed worldwide since 1991 utilizing our trusted Stobielast® S components. STOCKMEIER Urethanes is continuously researching and developing high quality polyurethane systems to exceed the needs of every customer, every time, with The Smart Solution.

The logo for PURE SPEED features the word "PURE" in a blue, italicized, sans-serif font, followed by "SPEED" in a bold, blue, sans-serif font. A stylized blue wing or speed line graphic is positioned to the left of the word "PURE".

Disclaimer: This bulletin is provided for general informational purposes only and should not be construed as advice on specific product usage. The manufacturer makes no warranty of merchantability or of fitness for a particular purpose. The buyer assumes all liability for incorrect or illegal use of this product. For additional information please review your local STOCKMEIER Urethanes' General Terms at <https://www.stockmeier.com/en/stockmeier-urethanes/general-terms/>, which apply for all commercial matters.



Delivering Urethane Solutions Worldwide
www.stockmeier-urethanes.com



Reference List

* Stobitan® running track systems have been installed worldwide since 1991. This is a partial reference list.

Stobitan® Full Pour System

World Athletics Class 1 Certified	2022	Government Arts & Sports College (XS System)	Jalandhar, India
	2024	Dada Sukhendra Singh Stadium	Satna – Madhya Pradesh, India
	2023	Athletic Stadium, Bambolim, Goa	Bambolim, Goa
	2023	Mahatma Gandhi Stadium, Tumkur	Tumkur, India
	2023	Pariyaram Medical College Athletics Stadium	Kannur, Kerala, India
	2023	Jio Institute	Ulwe, Navi Mumbai, India
	2023	Khel Parisar	Sagar, Madhya Pradesh, India
World Athletics Class 2 Certified	2022	University of The Western Cape	Cape Town, Republic of South Africa
	2022	Jammu University	Jammu, India
	2021	Pooth Kalan Sports Complex	New Delhi, India
	2021	Islamic University	Awantipora, India
	2021	Kair Village Sports Complex	New Delhi, India
	2020	Mundhela Kalan Sports Complex	Najafgarh, India
	2020	Dr. Shankuntala Mishra University	Lucknow, Uttar Pradesh, India
ASBA Award Winner	2019	North-Eastern Hill University	Shillong, India
	2016	New Lansing High School	Lansing, KS, USA
	2023	Fort Myers High School	Fort Myers, FL, USA
	2023	Cristo Rey Philadelphia High School	Philadelphia, PA, USA
	2023	Livingston Parish Sheriff's Office	Livingston, LA, USA
	2022	Park West Track	Mount Pleasant, SC, USA
	2022	University of Guelph	Guelph, ON, Canada
Honorable Mention	2021	Kennesaw State University Sports Park	Kennesaw, GA, USA
	2021	IMG Academy	Bradenton, FL, USA
	2019	McLeod Athletic Park	Langley City, BC, Canada

Stobitan® SW | Sandwich System

World Athletics Class 1 Certified	2024	King Abdullah Sports City	Jeddah, Kingdom of Saudi Arabia
	2024	King Fahd Sports City Secondary Track	Taif, Kingdom of Saudi Arabia
	2023	King Fahd Sports City	Taif, Kingdom of Saudi Arabia
	2023	Khaleej Sports Club	Seehat, Kingdom of Saudi Arabia
	2020	Track and Field Athletics National Central Stadium	Hanoi, Vietnam
World Athletics Class 2 Certified	2024	Queen's College Boy's High School Athletics Stadium	Queenstown, Republic of South Africa
	2023	MP Police Housing Stadium	Ranjhi, Jabalpur, India
	2023	Al-Ansar FC Club	Al-Medinah, Kingdom of Saudi Arabia
	2023	Birsa Munda Athletic Stadium, Rourkela	Rourkela, Odisha, India
	2023	Sports Authority of Gujarat Sports Complex, Nikol	Ahmedabad, Gujarat, India
	2022	EMS Stadium	Neeleswaram, India
	2022	Sportovní Stadion NA Stoupách	Jihlava, Czech Republic
	2022	Stadionul De Atletism	Buzau, Romania
	2022	Pista De Atletismo Estadio Municipal Jorge Newbery	Rosario, Argentina
	2022	Stadion U Červených Domku	Hodonin, Czech Republic
	2021	Parc-Ecole L'Odysée-des-Jeunes à Laval	Laval, Canada
	2021	Chathannoor Higher Secondary School	Thirumittacode, India
	2021	High School of Chongqing- No. 7	Chongqing, China
	2020	Luhnu Stadium	Bilaspur, India
	2020	Stadion De Atletism Craiova	Craiova, Romania
	2020	Pista De Atletismo Jesus "Ñandu" Morales	San Juan, Argentina
	2019	Dr. Bhimrao Ambedkar International Sport Complex	Faizabad, 1 Ittar Pradesh, India
Real Federación Española de Atletismo Certified (Spanish Royal Athletics Federation)	2023	Pista Municipal de Atletismo Juan Manuel Molina	Caravaca de la Cruz, Spain
	2024	Ciudad Deportiva Manuel Calzado Galván	Jerez de los Caballeros, Spain
	2024	Pista de Atletismo Polideportivo Juan Carlos I	Ciudad Real, Spain
ASBA Award Winner	2019	Central Cass High School	Casselton, ND, USA
	2019	Stokes Stadium at Truman State University	Kirkville, MO, USA
	2018	Howard Lake-Waverly-Winsted Public School	Howard Lake, MN, USA
	2016	Notre Dame Preparatory High School	Scottsdale, AZ, USA
	2009	Manor ISD Main Stadium	Manor, TX, USA
Honorable Mention	2024	Trzcianka Stadium Lubuszanin	Trzcianka, Poland
	2023	Turman High School	Independence, MO, USA
	2023	Fort William Stadium	Thunder Bay, ON, Canada
	2023	Hammond School	Columbia, SC, USA
	2023	South Carolina State Track	Orangeburg, SC, USA
	2023	Upper Merion High School	King of Prussia, PA, USA
	2023	Servite High School	Anaheim, CA, USA
	2022	Louis-Philippe-Paré School	Chateauguay, QC, Canada
	2022	South Barrie Secondary School	Barrie, ON, Canada
	2022	Southern University - A. W. Mumford Stadium	Baton Rouge, LA, USA
	2022	Boston University - Nickerson Field	Boston, MA, USA
	2022	Catasauqua Middle School	Catasauqua, PA, USA
	2021	International School Of Choueifat	Ras Al Khaimah, United Arab Emirates
	2021	Meadowbank Stadium	Edinburgh, United Kingdom

2021	Tariq Bin Ziad School	Doha, Qatar
2021	The Sultan's School	Muscat, Oman
2021	Mahd Sports Academy	Riyadh, Saudi Arabia
2021	Pallouriotissa Lyceum	Nicosia, Cyprus
2021	Paarl Gimnasium (<i>200 M Track</i>)	Paarl, South Africa
2021	Ministry of Defense	Thumrait, Oman
2021	Ibra Sports Complex	Ibra, Oman
2021	Piste d'athletisme Pierre-Larose	Saint-Jean-sur-Richelieu, QC, Canada
2021	Bucharest Office Building Roof Top Running Track	Bucharest, Romania
2021	Holy Cross Secondary School	Peterborough, ON, CA
2021	Complexe sportif Guillaume Lablanc	Rimouski, QC, Canada
2021	Montverde Academy	Montverde, FL, USA
2020	Centre Sportif La Ru	Laval, QC, Canada
2020	Upper Arlington High School	Upper Arlington, OH, USA
2020	Saltfleet Secondary School	Stoney Creek, ON, Canada
2020	North Delta Secondary School	Delta, BC, Canada
2020	Kingfisher High School	Kingfisher, OK, USA
2019	Henrico High School	Richmond, VA, USA
2019	St. Marcellinus Secondary School	Mississauga, ON, Canada
2019	Centre Sportif La Ruche	Magog, QC, Canada
2019	Tindall Field, Queen's University	Kingston, ON, Canada
2019	George Springate Sport Center	Pierrefonds, QC, Canada
2019	Mountain Island Charter	Mount Holly, NC, USA
2019	Carroll High	Dayton, OH, USA
2019	Ecole Jean Baptiste Meilluer	Repentigny, QC, Canada
2019	Clarkson Park	Mississauga, ON, Canada
2019	Centre Sportif La Ruche	Magog, QC, Canada

Stobitan® SC | Base Mat and Spray Coat System

World Athletics Class 1 Certified	2020	Bislett Stadium	Oslo, Norway
	2024	Tamme Staadion	Tartu, Estonia
	2023	Heino Lipu Staadion	Jõhvi, Estonia
	2023	Atlanten Stadium	Kristiansund, Norway
World Athletics Class 2 Certified	2022	Sportovní Stadion NA Stoupách	Jihlava, Czech Republic
	2022	Mestský Atletický Stadion	Humenné, Slovakia
	2022	Stadion U Červených Domku	Hodonin, Czech Republic
	2019	Sportski Centar Sloboda	Varazdin, Croatia
	2019	Baldones Vidusskolas Stadiona	Baldone, Latvia
	2019	Sandnes Stadion	Sandnes, Norway
Real Federación Española de Atletismo Certified (Spanish Royal Athletics Federation)	2023	Complejo Deportivo Francisco Fernández Torralba	Caravaca de la Cruz, Spain
	2023	Complejo Deportivo José Domínguez Olíad	Carmona, Spain
ASBA Award Winner	2023	Sun Prairie West High School	Sun Prairie, WI, USA
	2022	L.B. Carns Field – Southwestern School District	Hazel Green, WI, USA
	2022	Baldwin-Woodville Area Schools Athletic Stadium	Baldwin, WI, USA
	2022	Trojan Field at Worthington High School	Worthington, MN, USA
	2021	Loris High School	Loris, SC, USA
	2021	Cole Camp High School Athletic Complex	Cole Camp, MO, USA
	2021	Lowman-Walton Sports Complex (Sidney High School)	Sidney, MT, USA
	2020	Houghton-Portage Township	Houghton, MI, USA
	2019	Willard Tigers Football Stadium	Willard, MO, USA
	2019	Tekamah-Herman High School	Tekamah, NE, USA
	2018	Crusader Athletic Complex at Helias Catholic High School	Jefferson City, MO, USA
	2017	Paxton Consolidated Schools Athletics Complex	Paxton, NE, USA
	2017	Bowman County Track and Field	Bowman, ND, USA
	2017	ADM Community School District Stadium	Adel, IA, USA
	2017	Hillsboro Public Schools Athletic Complex	Hillsboro, ND, USA
	2016	Kildeer Cowboy Sports Complex	Kildeer, ND, USA
	2016	Wall High School	Wall, SD, USA
	2016	Hillsboro High School Athletic Complex	Hillsboro, ND, USA
	2013	West Central Valley Sports Complex	Stuart, IA, USA
	2013	Unidad Deportiva Jose MA	Moreles, Mexico
	2012	Har-Ber High School	Springdale, AR, USA
	2011	Van Meter High School	Van Meter, IA, USA
	2010	Detroit Lakes High School	Detroit Lakes, MI, USA
	2009	Bernalillo High School	Bernalillo, NM, USA
	2009	Carlsbad Senior High School	Carlsbad, NM, USA
Honorable Mention	2023	Mayfield Secondary School	Caledon, ON, Canada
	2023	Benjamin Logan High School	Bellefontaine, OH, USA
	2023	Norton Middle School	Columbus, OH, USA
	2023	Finland Middle School	Columbus, OH, USA
	2023	Pleasant Middle School	Grove City, OH, USA
	2023	Fort Leonard Wood	Fort Leonard Wood, MO, USA
	2023	Hoisington High School	Hoisington, KS, USA

Honorable Mention

2023	Holden High School	Holden, MO, USA
2023	Fountain Lake High School	Hot Springs National Park
2023	Prairie Valley High School	Lacygne, KS, USA
2023	Oskaloosa High School	Oskaloosa, KS, USA
2023	Shawnee Mission Easy High School	Prairie Village, KS, USA
2023	East Rutherford High School	Bostic, NC, USA
2023	Rutherford City High School	Forest City, NC, USA
2023	East Feliciana High School	Jackson, LA, USA
2023	West Lincoln High School	Lincolnton, NC, USA
2023	R-S Central High School	Rutherfordton, NC, USA
2023	Wagoner School District	Wagoner, OK, USA
2023	West Ouachita High School	West Monroe, LA, USA
2023	Academy Park High School	Sharon Hill, PA, USA
2023	Firebaugh High School	Firebaugh, CA, USA
2023	Amador High School	Sutter Creek, CA, USA
2023	Tohatchi High School	Tohatchi, NM, USA
2022	Ruidoso High School Track	Ruidoso, NM, USA
2022	Bishop Fenwick High School	Franklin, OH, USA
2022	Arcanum High School	Arcanum, OH, USA
2022	Lee's Summit Middle School #4	Lees Summit, MO, USA
2022	Maranatha School Track	Shawnee, KS, USA
2022	Pleasant Hill Middle School	Pleasant Hill, MO, USA
2022	South Carolina State Track	Orangeburg, SC, USA
2022	Alma High School	Alma, AR, USA
2022	Socastee High School Track	Myrtle Beach, SC, USA
2022	Platte Canyon High School	Bailey, CO, USA
2022	Adams 12 Five Star Stadium	Denver, CO, USA
2022	Danbury High School	Danbury, TX, USA
2022	West Plains High School	Amarillo, TX, USA
2021	Bellen Jesuit Prep School Water-based System	Miami, Florida, USA
2021	Bucharest Residential Building Roof Top Running Track	Bucharest, Romania
2021	Atlas Prep High School Water-based System	Colorado Springs, CO, USA
2021	Illinois Wesleyan University Water-based System	Bloomington, IL, USA
2021	Vilonia High School	Vilonia, AR, USA
2021	Oxford Middle School	Oxford, MS, USA
2021	Olentangy High School	Lewis Center, OH, USA
2021	Thomas Ewing Middle School	Lancaster, OH, USA
2021	Acadia University - Raymond Stadium	Wolfville, NS, Canada
2021	Calaveras High School	San Andreas, CA, USA
2021	Wyoming High School	Cincinnati, OH, USA
2021	American Leadership Academy	Waddell, AZ, USA
2020	Gibbsland-Coleman High School	Gibbsland, LA, USA
2020	Freedom High School	Morgantown, NC, USA
2020	East St. Louis High School	East Saint Louis, IL, USA
2020	Lee's Summit High School	Kansas City, MO, USA
2020	Charlotte Christian School	Charlotte, NC, USA
2020	Alto High School	Alto, TX, USA
2020	Agua Fria High School	Avondale, AZ, USA
2020	Coolidge High School	Coolidge, AZ, USA

Honorable Mention

2020	Farewell High School	Farwell, MI, USA
2020	Gahanna Middle School	Columbus, OH, USA
2020	Wellston High School	Wellston, OH, USA
2020	Sun Valley High School	Monroe, NC, USA
2020	Rogers High School	Rogers, AR, USA
2020	Horry County-Loris High School	Loris, SC, USA
2020	Camp McCain PT Training Center	Grenada, MS, USA
2019	Statesboro High School	Statesboro, GA, USA
2019	South Delta Sec School	Delta, BC, Canada
2019	Fort Recovery High School	Fort Recovery, OH, USA
2019	Highland High School	Gilbert, AZ, USA
2019	Cardinal Newman	Columbia, SC, USA
2019	Gadsden High School	Anthony, NM, USA
2019	Ripley High School	Ripley, WV, USA
2019	Diamond High School	Diamond, MO, USA
2019	Grosse Pointe South High School	Grosse Pointe, MI, USA
2019	Timmons High and Vocational School	Timmons, ON, Canada
2019	Hayward High School	Hayward, WI, USA
2019	Sehome High School	Bellingham, WA, USA
2019	Kingston High School	Kingston, OK, USA
2019	Elk Point High School	Elk Point, SD, USA
2019	Del Norte High School	Del Norte, CO, USA

Stobitan® SSC | Sealed Mat and Spray Coat System

ASBA Award Winner	2020	West Point High School Stadium	Avondale, AZ, USA
	2018	Saguaro High School Stadium	Scottsdale, AZ, USA
	2017	Greyhound Stadium	Portales, NM, USA
	2017	Robert L. Peterson Memorial Field	Dakota Valley, SC, USA
	2016	Christoval ISD Stadium	Christoval, TX, USA
	2016	Escalante High School	Tierra Amarilla, NM, USA
	2008	Jefferson City High School	Jefferson, MO USA
Honorable Mention	2023	Winslow High School	Winslow, AZ, USA
	2023	Central Cabarrus High School	Concord, NC, USA
	2023	Hickory Ridge High School	Harrisburg, NC, USA
	2023	A.L. Brown High School	Kannapolis, NC, USA
	2023	Piedmont High School	Monroe, NC, USA
	2023	Marvin Ridge High School	Waxhaw, NC, Usa
	2023	Liberty Christian Academy	Lynchburg, VA, USA
	2023	Booker High School	Sarasota, FL, USA
	2022	Mount Pleasant High School	Mount Pleasant, NC, USA
	2022	Cathedral City High School	Cathedral City, CA, USA
	2021	Clinton High School Track	Clinton, SC, USA
	2021	George Walton Academy	Monroe, GA, USA
	2020	Bellhaven University	Jackson, MS, USA
	2020	Rosemount High School	Rosemount, MN, USA
	2020	Municipio de Camuy	Camuy, Puerto Rico
	2020	Municipio de Utuado	Utuado, Puerto Rico
	2019	La Joya High School	Avondale, AZ, USA
	2019	Enka High School	Candler, NC, USA
	2019	West Point High School	Avondale, AZ, USA

Stobitan® Base | Base Mat System

ASBA Award Winner	2023	River Valley High School	Spring Green, WI, USA
	2020	Oakleaf Stadium-School District of Altoona	Altoona, WI, USA
	2010	Sisseton High School	Sisseton, SD, USA
Honorable Mention	2023	Highland Hills/Cuyahoga Community College	Highland Hills, OH, USA
	2023	Maple Heights High School	Maple Heights, OH, USA
	2023	Westerville North	Westerville, OH, USA
	2023	Kirkland High School	Willoughby, OH, USA
	2023	Dawson High School	Welch, TX, USA
	2022	Oberlin High School	Oberlin, LA, USA
	2022	Clearview High School	Lorain, OH, USA
	2021	Shell Lake High School	Shell Lake, WI, USA
	2021	Plattsmouth Middle School	Plattsmouth, NE, USA
	2021	Antigo High School	Antigo, WI, USA
	2020	Olentangy School Liberty High	Powell, OH, USA
	2019	Belgrade-Brooten-Elrosa High School	Belgrade, MN, USA
	2019	Kiel High School Track	Kiel, WI, USA
	2019	Redwood Valley High School	Redwood Falls, MN, USA
	2019	Rushville High School Track	Rushville, IL, USA
	2019	Parkers Chapel High School	El Dorado, AR, USA

Stobiela[®] | Respray Projects

	2023	Worthing Christian School	Columbus, OH, USA
	2023	Hardin Houston School	Houston, OH, USA
	2023	Deerfield-Windsor School	Albany, GA, USA
	2023	Episcopal School of Baton Rouge	Baton Rouge, LA, USA
	2023	Holland Independent School District	Holland, TX, USA
	2022	Grant Union High School- Twin Rivers unified School District	Sacramento, CA, USA
	2022	South Pasadena High School	South Pasadena, CA, USA
	2022	Girard High School	Girard, KS, USA
	2022	MO School of the Deaf	Fulton, MO, USA
	2022	Warrenton High School Track	Warrentown, MO, USA
	2022	Dixie High School	New Labanon. OH, USA
	2022	Lakota High School	Liberty Township, OH, USA
	2022	St Catharines Collegiate	St. Catharines, Ontario, CA
	2022	Harrisburg IL High School	Harrisburg, IL, USA
	2021	Grandview High School	Hillsboro, MO, USA
	2021	Questa High School	QuestaNM, USA
	2021	Wilmington College	Wilmington, OH, USA
	2021	Enid High School	Enid, OK, USA
Honorable Mention	2021	McCalester School	McCalester, OK, USA
	2021	Maclay High School	Tallahassee, FL, USA
	2021	Portsmouth High School	Portsmouth, OH, USA
	2020	Leawood Middle School	North Kansas City, MO, USA
	2020	Conroe TX	Healdton, OK, USA
	2020	Lakeside High School	Hot Springs National Park, AR, USA
	2020	Lenhoff Stadium	Schertz, TX, USA
	2020	Pantex	Bangs, TX, USA
	2020	Twins Valley South High	West Alexandria, OH, USA
	2020	Cimarron HS	Bosque Farms, NM, USA
	2020	Southern Arkansas University	Magnolia, AR, USA
	2019	Sunland Sports	Pheonix, AZ, USA
	2019	Las Vegas Patch	Pheonix, AZ, USA
	2019	Grand Haven High School	Grand Haven, MI, USA
	2019	Reynolds Field	Harbor Springs, MI, USA
	2019	Rockford High School	Rockford, MI, USA
	2019	Hillsdale High School	Hillsdale, MI, USA
	2019	Buffalo High School Track	Buffalo, MO, USA
	2019	Belhaven College Track	Jackson, MS, USA
	2019	Cimarron High School (Milagro Middle School)	Santa Fe, NM, USA
	2019	Cambridge High School	Cambridge, OH, USA
	2019	Northmont High School	Clayton, OH, USA
	2019	Como Pickens High School	Como, TX, USA
	2019	Sands High School	Ackerly, TX, USA
	2019	Randall High School	Amarillo, TX, USA

HP COLORS



INFERNO RED



COBALT BLUE



SANDSTONE BEIGE



SHAMROCK GREEN



SKY BLUE



ASH GRAY



LIME GREEN



CHESTNUT BROWN



PEWTER GRAY



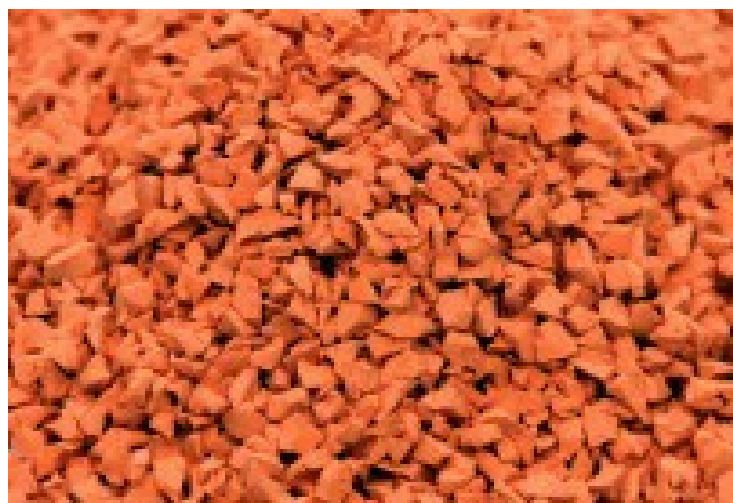
IVY GREEN



TEAL



YELLOW



ORANGE



PURPLE



CHERRY RED



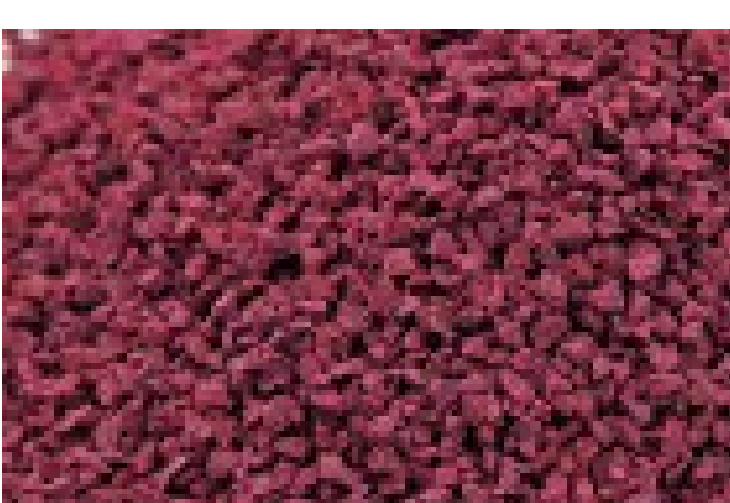
GOLD



LILAC



IVORY



RASPBERRY PINK

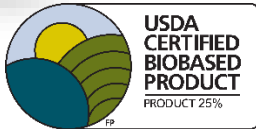


CHARCOAL GRAY

Stobitan® SW

Sandwich System

Cut Sheet



The Stobitan® SW running track system is a multi-layer sandwich surface of minimum 13mm (14.7 mm for WA) thickness, impervious and suitable for the highest levels of competition. The system consists of a paved in place black rubber base mat, seal layer and a layer of pigmented Stobiela[®] S 154 polyurethane flow coat liquid with like colored EPDM rubber granules embedded into the coating. It provides an excellent surface for traction and speed with its embedded finished surface. Alternative top layer materials can be applied to achieve an encapsulated finish if desired. S 154 is certified through USDA's Bio Preferred program.

CUSTOM COLORS AVAILABLE

INSTALLATION OF STOBITAN® SW SYSTEM

ASPHALT AND CONCRETE PREPARATION

- A.** It is the responsibility of the asphalt-paving contractor to provide documentation that the paving meets those requirements set forth for asphalt paving. Additionally, the asphalt is to be cured for a minimum of 45 days prior to synthetic surfacing being applied. Asphalt compaction tests are to be provided showing a compaction of 95% or greater. The asphalt will be checked with a 10-foot straight edge in all directions. Those areas not in conformance will be repaired and/or replaced by the paving contractor. Flooding the asphalt surface to locate irregularities is highly recommended.
- B.** All concrete work is to be cured for a minimum of 45 days. No curing agents are to be used. Concrete moisture content is recommended to be checked prior to installation.
- C.** All areas to receive synthetic surfacing are to be clean and free of any loose particles or foreign substances such as dirt, oil, grease, etc.

INSTALLATION OF STOBITAN® SW SURFACING

- A.** Primer – The area of asphalt or concrete must be primed the same day the base layer is applied to ensure a good bond. A concrete base may require additional coating based on the absorption rate of applied primer.
- B.** Base Layers – The base layer is a mixture of 1-4 mm SBR black rubber granules mixed in a mechanical mixer with Stobiela[®] base polyurethane binder. The ingredients are mixed until homogeneous. The prepared rubber and polyurethane mix is then paved in place using a specially designed heated mechanical screed paver, to an approximate depth of 10-11 mm.
- C.** Seal Coat – The base layer is sealed by scraping a thixotropic mixture of a Stobiela[®] coating onto the surface to render it impermeable. The sealed surface must be checked for pin holes prior to further application. Primer is needed should seal layer be exposed to the elements for over 72 hours.
- D.** Top Layer – The Stobiela[®] 154 polyurethane coating is double mixed and applied at a depth of approximately 3-4mm over the base layer using a notched squeegee or trowel. After the material has self-leveled and is still in liquid form, colored 1.0-3.5 mm EPDM rubber granules are broadcast into the surface to excess. After curing (hardening) the excess-colored EPDM granules are removed.
- E.** All methods for mixing products are to be approved by STOCKMEIER Urethanes USA, Inc. and can be found on their Stobiela[®] Technical Data Sheet (TDS)
- F.** All laborers shall be full time employees of the surfacing contractor.

LINE MARKINGS

- A.** All line marking paint is to be approved by the synthetic surfacing manufacturer.
- B.** All markings will be in accordance with the appropriate governing bodies and desires of the owner.

CSI Form 13.1A

SUBSTITUTION REQUEST FOR CAUSE

Project: Chualar Union Elementary School Substitution Request Number: _____
Track + Field Project
 From: Nic Paschini
 To: Thomas Medrano, Pear Tree Belli Date: 5/19/2026
 A/E Project Number: _____
 Re: _____ Contract For: _____

Specification Title: Synthetic Turf System Description: Synthetic Turf
 Section: 32 18 13 Page: 6 Article/Paragraph: 2.1 B

Proposed Substitution: Command Performance Synthetic Turf
 Manufacturer: FieldTurf Address: 175 N Industrial Blvd, Calhoun, Phone: _____
 Trade Name: Synthetic Turf Surfacing Model No.: _____
 Installer: American Sports Address: 1230 S Jack Tone Rd, Phone: 209-923-4952
Construction, Inc. Ripon, CA 95366
 History: ☒ New product ☐ 1-4 years old ☐ 5-10 years old ☐ More than 10 years old

Differences between proposed substitution and specified product: The specification identifies synthetic turf systems from multiple manufacturers as acceptable, acknowledging that equivalent performance can be achieved through more than one product. The FieldTurf Commercial Command Performance 100 meets or exceeds the specified pile height, gauge, fa weight, and total weight requirements and is submitted on that same basis.
☐ Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: Preference is to the proposed substitution

Similar Installation:
 Project: _____ Architect: _____
 Address: _____ Owner: _____
 Date Installed: _____

Proposed substitution affects other parts of Work: ☒ No ☐ Yes; explain _____

Savings to Owner for accepting substitution: N/A (\$ _____).

Proposed substitution changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

SUBSTITUTION REQUEST FOR CAUSE

(Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: Nic Paschini

Signed by: Nic P.

Firm: American Sports Construction, Inc.

Address: 1230 S Jack Tone Rd, Ripon, CA 95366

Telephone: 209-483-4642

Attachments: ☐

A/E's REVIEW AND ACTION

- ☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: [Signature]

Date: 05/26/26

Additional Comments:

☐ Contractor

☐ Subcontractor

☐ Supplier

☐ Manufacturer

☐ A/E

☐ Other:

PROPERTY	VALUE	METHOD
Pile Height	1.25"	D5823
Pile Weight	100 OZ/YD ²	D5848
Total Weight	128 OZ/YD ²	D5848
Gauge	3/8"	D5793
Primary Backing Weight	8+ OZ/YD ²	D5848
Primary Yarn Type	UV-resistant polyethylene	N/A
Primary Yarn Structure	Mono/Thatch Combo	N/A
Primary Yarn Color	Field & Olive Green & Nutmeg	N/A
Primary Yarn Denier	14000	D1907
Secondary Yarn Type	UV-Resistant Polyethylene	N/A
Secondary Yarn Structure	Thatch	N/A
Secondary Yarn Color	Field Green	N/A
Secondary Yarn Denier	10000+	D1907
Grab Tear Length	>200 LBS/Force	D5034
Grab Tear Width	>200 LBS/Force	D5848
Coating Weight	18+ OZ/YD ²	D5848
Coating Type	AquaFlow	N/A
Water Permeability	300+ IN/HR	DIN 18-035
Total Infill	4 LBS/FT ²	N/A

Variation of +/- 5% on above listed property values are within normal manufacturing tolerances.



**Unmatched
Warranty**



**Proudly Made
in the USA with
Global Components**



**Industry Leading
Drainage and
Performance**



**Environmentally
Friendly**

AQUAFlow



CSI Form 13.1A

SUBSTITUTION REQUEST FOR CAUSE

Project: Chualar School Track & Field Replacement Substitution Request Number: 1
 From: Nathan Waldorf - FieldTurf
 To: Thomas Medrano / David Peartree / Ruben Pulido Date: 5/19/2026
 A/E Project Number: 24033
 Re: _____ Contract For: _____

Specification Title: Synthetic Turf System Description: Synthetic Turf Product
 Section: 321813 Page: 6 Article/Paragraph: 2.1 B

Proposed Substitution: FieldTurf Vintage 32-100 in place of specified synthetic turf systems
 Manufacturer: FieldTurf USA Inc. Address: 175 N. Industrial Blvd, Calhoun Phone: 1-888-364-6541
 Trade Name: N/A Model No.: Vintage 32-100
 Installer: FieldTurf USA Inc. Address: 175 N. Industrial Blvd, Calhoun GA Phone: 1-888-364-6541
 History: ☐ New product ☒ 1-4 years old ☐ 5-10 years old ☐ More than 10 years old
 Differences between proposed substitution and specified product: There are no differences between Vintage 32-100 and synthetic turf specifications
☒ Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: FieldTurf is a supplier and manufacturer of synthetic turf and does not offer competitor Products
 Similar Installation:
 Project: Zion Lutheran Church Field Architect: N/A
 Address: 3923 103rd Ave. Lake Steven, WA Owner: Zion Lutheran Church
 Date Installed: 9/15/2025

Proposed substitution affects other parts of Work: ☒ No ☐ Yes; explain _____

Savings to Owner for accepting substitution: N/A (\$ _____ 0).
 Proposed substitution changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☒ Tests ☐ Reports ☐ _____

SUBSTITUTION REQUEST FOR CAUSE

(Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: _____

Signed by: _____

Firm: FieldTurf USA Inc.

Address: 175 N. Industrial Blvd, Calhoun GA 30701

Telephone: 1-248-897-3332

Attachments: ☒

A/E's REVIEW AND ACTION

- ☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: _____ Date: 05/26/26

Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ A/E
☐ Other:

32 18 13 Synthetic Turf

Soccer Field Area

Property	CUSD Turf Requirements	Units	FieldTurf Vintage 32	Units
Pile Yarn Type (2.1 C.)	Weather Resistant	-	UV-resistant polyethylene	-
Water Permeability (2.3. A.)	>14	inch/hour	>40	inch/hour
Yarn Structure (2.5 B.)	Slit-Film / Semi-textured & textured monofilament	-	Slit-Film w/ texturized Thatch	-
Roll Width (2.5. I.)	15	Ft. minimum	15	Ft.
Fiber Melting Point (2.6.1.)	128	Degrees C	119	Degrees C
Specific Gravity (2.6. 2.)	.950 - .960	-	.943	-
Breaking Strength (2.6. 3.)	274 Length 395 Width	Lbs./Ft.	273 Length 300 Width	Lbs./Ft.
Coefficient of Friction (2.6. 4.)	1.15 Dry 1.00 Wet	-	-	-
Pill Burn Test (2.6. 5.)	8 Passed/ 0 Failed	-	8 Passed / 0 Failed	-
Tuft Bind (2.6. 6.)	9	Lbs/ft2	8+	Lbs/ft2
Pile Height (2.6 .7)	1.25" minimum	-	1.25"	-
Fiber Face Weight (2.6. 8.)	100	Oz/yd2	100.02	Oz/yd2
Gauge Width (2.6. 9.)	3/8	In.	3/8	In.
Fiber Thickness (2.6. 10.)	Slit film: 100 min Monofilament 145 min	microns	391	microns
Secondary Backing (2.6. 11.)	20	Oz.	20	Oz./yd2
Primary Backing (2.6 12.)	-	-	8.34	Oz./yd2
Total Product Weight (2.6. 13.)	125	Oz./Sy. minimum	128	Oz

TECHNICAL PRODUCT SPECIFICATION
VINTAGE

SLIT-FILM/THATCH 1.25"

PROPERTY	VALUE	UNITS	METHOD
Product Stock Code	Vintage 32-100		
Pile Yarn Type	UV-resistant polyethylene		n/a
Yarn Structure 1	Slit-Film		n/a
Yarn Denier 1	10800	Denier	D1577
Yarn Structure 2	Texturized Thatch		
Yarn Denier 2	5000	Denier	D1577
Pile Height	1.25	inches	D5823
Pile Weight	100	oz/yd ²	D5848
Primary Backing Weight (18/18)	8+	oz/yd ²	D5848
Secondary Backing Weight (Perforated)	20	oz/yd ²	D5848
Total Carpet Weight	128	oz/yd ²	D5848
Stitch Gauge	3/8 inch centers		D5793
Tuft Bind	8+	lbs/force	D1335
Water Permeability	>40	inch/hour	DIN 18-035
Grab Tear (Length)	>200	lbs/force	D5034
Grab Tear (Width)	>200	lbs/force	D5034

Issue Date: 5/19/2026
Disclaimer: Variation of +/-5% on above listed property values is within normal manufacturing tolerances

This system needs a pad. Ask us for details.





TESTING
— SERVICES —

Product Testing

Report #: 98138

Report Date: December 16, 2025

Client: Fieldturf USA Inc

175 North Industrial Blvd

Calhoun, GA 30701

Turf Identification: Vintage



Test Report Approval:

Erle Miles, III, Lab Director Testing Services (TSI) LLC

TSI Accreditation:

Our Laboratory is accredited by NVLAP (Lab Code 100108-0), which is part of NIST and the US Dept of Commerce. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, and any agency of the U.S. Government. The above testing is under the scope of our NVLAP accreditation.



TESTING

SERVICES

Report #:	98138	Report Date:	12/16/25
Lab #:	3614-2873	Test Date:	12/5/2025-12/15/2025
Turf System Description			
Turf Identification:	Vintage (32-100)		
Yarn System 1:	Slit Film		
Yarn System 2:	Texturized Thatch		
Infill System:	3.25 lbs/ft ² Silica Sand		
Underlayment (Pad) System:	None		

TEST SCOPE: Testing Services LLC was instructed by the client to perform product testing identified as: **Vintage**, in accordance with ASTM, EN, FIFA, or other specified testing requested by the client.

METHOD DEVIATIONS: None

TEST METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM D5848	Test Method:	Standard Test Method for Mass per Unit Area of Pile Yarn Floorcoverings (weights)
Standard:	ASTM D5823	Test Method:	Standard Test Method for Tuft Height of Pile Yarn Floorcoverings (tuft length)
Standard:	ASTM D5793	Test Method:	Standard Test Method for Binding Sites Per Unit Length or Width of Pile Yarn Floorcoverings (stitch/gauge count)
Standard:	ASTM D1335	Test Method:	Standard Test Method for Tuft Bind Strength of Pile Yarn Floorcoverings (tuft lock)
Standard:	ASTM D5034	Test Method:	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (tear strength)
Standard:	ASTM D2859	Test Method:	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials (pill flammability)
Standard:	ASTM F1015	Test Method:	Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces (abrasive index)
Standard:	ASTM F2117	Test Method:	Standard Test Method for Vertical Rebound Characteristics of Sports Surface/Ball Systems, Acoustical Method (soccer ball rebound)
Standard:	EN 15301	Test Method:	Surfaces for Sports Areas: Determination of Rotational Resistance (pivot resistance)
Standard:	ASTM F1551	Test Method:	Standard Test Method for Comprehensive Characterization of Synthetic Turf Placing Surfaces and Materials, Suffix DIN 18-035, Part 6: Water Permeability of Synthetic Turf Systems and Permeable Bases (water permeability)
Standard:	ASTM D7138	Test Method:	Standard Test Method for Determination of Melting Temperatures of Synthetic Fibers (yarn fiber identification)
Standard:	ASTM D1907	Test Method:	Standard Test Method for Liner Density of Yarn by the Skein Method (yarn denier)
Standard:	ASTM D3218	Test Method:	Standard Test Method for Specification of Polyolefin Monofilaments (yarn thickness)
Standard:	ASTM D2256	Test Method:	Standard Test Method for Tensile Properties of Yarns by the Single Strand Method (yarn breaking strength/elongation)
Standard:	ASTM D792	Test Method:	Standard Test Method for Density and Specific Gravity of Plastics by Displacement (specific gravity)

SAMPLING PLAN:

Sampling Date:	12/4/2025
• Specimen sampling is performed in the sampling department at TSI. • The sampling size of specimens is determined by the test method requirements. • In the event a specific sampling size is not called for, a determination will be made based on previous testing experience and approved for use by an authorized manager. • All samples are subjected to the outside environmental conditions of temperature and relative humidity. • Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested	



TESTING

SERVICES

TEST DATA:

Yarn	Test Method	Test Description	Test Result	
	1ASTM D7138	Melt Point Fiber ID	119°C	Polyethylene
	1ASTM D1907	Denier / Skein	14,290	
	1ASTM D3218	Thickness	391 microns	
	1ASTM D2256	Tensile Strength	28.6 lbs/force	
	1ASTM D792	Elongation @ Rupture	53.4 %	
		Specific Gravity	0.943	

*YARN TESTING COMPLETED: 6/28/2017 Report # 69594R32

Construction	Test Method	Test Description	Test Result	
	ASTM D5848	Total Product Weight	128.56 oz/yd ²	
	ASTM D5848	Pile Yarn Weight	100.02 oz/yd ²	
	ASTM D5848	Primary Backing Weight	8.34 oz/yd ²	
	ASTM D5848	Secondary Backing Weight	20.20 oz/yd ²	
	ASTM D5823	Average Pile Height	1.25"	
	ASTM D5793	Stitch Count & Gauge	6.66 Stitches per inch	3/8" Gauge
	ASTM D1335	Average Tuft Bind Strength	8.4 lbs/force	
	ASTM D5034	Average Grab Tear-Length, MD	273 lbs/force	
	ASTM D5034	Average Grab Tear-Width, CMD	300 lbs/force	

Performance	Test Method	Test Description	Test Result	
	ASTM F2859	Pill Flammability	8 out of 8 Pass	Meets 16CFR 1630 (FF1-70)
	ASTM F1015	Relative Abrasiveness Index	35	
	ASTM F2117	Average Soccer Ball Rebound: Height	0.79 meters	
		Average Soccer Ball Rebound: % Rebound Concrete vs System	58.3 %	
	EN15301	Rotational Resistance: Soccer Cleat	Dry Surface 42 newton/meter	Wet Surface 42 newton/meter
	ASTM F1551; Suffix 30	Water Permeability	219 inches/hour	

DECISION RULE:

No consideration of uncertainty was taken in our statement of compliance.

PRECISION/BIAS:

The results reported herein reflect the performance of the test finished turf received for testing. Testing Services LLC undertakes all assignments for our clients on a best effort basis. Our results, findings, and judgements are based on the information using the latest test methods available. Testing Services LLC can only ensure the test results for the specific items evaluated. Unless otherwise noted in the deviation sections of this report, all tests performed were in compliance with the stated test method.

NOTES:

Our letters and reports apply only to the field tested and are not necessarily indicative of the qualities of apparently identical or similar products. These letters and reports are for the use only of the client to whom they are addressed and their communication to any others or the use of the name Testing Services LLC must receive our written approval. Our reports, letters, name, seals, and insignia are not under any circumstances to be used in advertising to the public.

END OF REPORT