



SYNLAWN®

Proposal For

Denise Wysocki

4845 Royal Lily Ave
Roseville, CA 95747

mobile: 925-683-5951
Denisewysocki@gmail.com

Location

4845 Royal Lily Ave
Roseville, CA 95747

Bocce Courts

Terms

Due on receipt

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
SYNPro Bocce TURF (SPBocce)	4095 LF	\$ 5.73	\$ 23,464.35
NorCal Installation Labor NorCal Installation Labor	4095 Sq Ft	\$ 10.39	\$ 42,547.05
NorCal Installation Bender Board / Pressure Treated Wood EDGING / NAILER (includes material)	636 LF	\$ 8.24	\$ 5,240.64
NorCal Installation Bender Board / Pressure Treated Wood Composite 2 x 4	636 LF	\$ 14.12	\$ 8,980.32
OptiFill 30/50 INFILL (OptiFill 30/50)	80 Bag(s)	\$ 19.51	\$ 1,560.80
Extra Demo (Grass & Dirt ONLY) Removal Of Shell	4095 Sq Ft	\$ 1.96	\$ 8,026.20
NorCal Installation of Air Drain/Foam Pad/Pad - Labor ONLY	4095 Sq Ft	\$ 1.47	\$ 6,019.65
Brock Shock Pad UNDERLAYMENT (shock pad)	4095 Sq Ft	\$ 3.61	\$ 14,782.95
Freight Freight	1	\$ 3,215.29	\$ 3,215.29



SYNLawn Sacramento
3920 W Capitol Ave Ste 160
West Sacramento, CA 95691-2190 US

Proposal #34016
Created: 08/08/2025
From: Lou Lujano

This proposal is valid for 30 days. By accepting this proposal, you are agreeing to the attached terms and conditions and client expectations.

Signature

x

Date:

Please sign here to accept the terms and conditions

Sales Reps

Lou Lujano
Mobile: 206-669-9207
lou.lujano@synlawn.com

SUBTOTAL	\$ 113,837.25
SALES TAX	\$ 3,085.13
TOTAL	\$ 116,922.38



SYNLAWN®

CLIENT EXPECTATIONS

Thank you for choosing SYNLawn. We appreciate the trust you have put in our business and look forward to showing you why we are the number one synthetic grass company in the nation. To provide you with the best possible experience for your home or commercial improvement project, we would like to provide you with some important and helpful information. If you have any questions regarding the information, you are being given in this document, please do not hesitate to call our office.

- ✓ Installation dates are set upon receipt of initial deposit, along with receipt of your signed estimate, Terms and Conditions, and Client Expectations. Please be advised that SYNLawn will do its best to accommodate scheduled installations but weather, casualty, scheduling conflicts, and general delays in material prevents SYNLawn from guaranteeing installation dates.
- ✓ If your project total is \$30,000 or greater a material deposit will be required in the amount of 50% of the project total. This will be due 5 days after your initial down payment is processed.
- ✓ Please expect your installation to take a day or more depending on the size of the job and the services you have ordered.
- ✓ When we plan your job, we select and cut turf from the same dye lot. Please note that if you choose to add more turf while crews are on site or decide to add turf to your project after the job has been completed; we cannot guarantee that we will have a matching dye lot in stock. Make sure that all services that are to be completed by our crews are written in your contract. The crews will only perform work that appears in the contract and if any additional work is requested, please get with your project coordinator.
- ✓ Seams - Our SYNLawn professional crews work hard to hide any seams that may be needed in your project, but we do not guarantee that seams will be 100% invisible.
- ✓ Pets - We do our best to recommend the appropriate synthetic grass products and after care instructions to our clients with pets. Recommendations include:
 - Choosing a synthetic turf product designed for medium to heavy traffic
 - Choosing an Antimicrobial Infill as a top-coat infill
- ✓ Please note that SYN Lawn cannot guarantee that pet odors will not develop over time. If pet odors occur, please get with your project coordinator for remedies.
- ✓ Temperature - Synthetic turf does not stay as cool as natural sod. During extreme temperatures the surface temperature of synthetic turf will get hot.
- ✓ SYNLawn does not cover work completed by other contractors, or any issues arising from work performed by others.
- ✓ Reflective issues – With the exception of nylon products, window reflections can damage your turf. Any window reflection has the potential to reflect a high temperature that can melt your turf. Solar screens or window coverings can prevent this from occurring and should be considered if you think you may have a window that will reflect on your synthetic grass. With the exception of nylon products, melting of turf is NOT covered under your warranty.



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- ✓ Weeds - California has aggressive weeds and grasses. We cannot guarantee weeds will not appear especially around the edges of your synthetic turf and weeds are not covered under your installation warranty. We recommend using organic or commercially available weed killers.
- ✓ Unknown objects underground such as roots, tree stumps, concrete, boulders, etc. cannot always be seen at the time of the estimate and shall be handled as an additional charge based on additional time and materials needed, should the crew run into this during the installation process.
- ✓ Gophers - If evidence of rodents or gophers are not found during your initial visit but are later discovered, additional charges may apply in order to have gopher mesh protection installed. Ask your salesperson for pricing.
- ✓ Our crew leader will do a final inspection of the project to ensure quality of workmanship. We encourage you to participate in the final inspection, although we do not require you to be at the project location the final day of the install. A certificate of completion must be completed for your warranty to become effective.
- ✓ Final payment will be due on the scheduled last day of installation. If you paid your deposit with a credit card and filled out a billing authorization form your final payment will be run automatically. If you paid by check, please email a copy of your final check to accountingNW@svnlawn.com. Copies of all paid invoices can be emailed to you, upon your request.
- ✓ SYNLawn has the right to collect progress payments including progress payment from financing companies (if applicable).
- ✓ SYNLawn is not responsible for any rebate offered by the city, state, or any other third-party company.



TERMS & CONDITIONS

SYNLawn (license #1057973) herein referred to as Contractor, uses licensed, insured, bonded and incorporated contractors under the laws of the state of California.

The owner of the property is responsible for obtaining any financing he/she deems necessary. Contractor may, at its option, assist or provide such financing as requested and approved by the Owner. If the Contractor provides financing to the Owner, the Contractor shall have the right to sell, assign or transfer the security note, trust deed and/or lien contract to any other party, entity, or institution of its choice.

INSTALLATION INFORMATION:

- ✓ Contractor agrees to start and diligently pursue work to completion but shall not be responsible for delays from causes beyond the Contractor's control.
- ✓ During the progress of installation, the Owner may request additional work. The buyer may not require a contractor to perform extra or change-order work without providing written authorization prior to the commencement of any work covered by the new change order. Extra work or a change order is not enforceable against a buyer unless the change order also identifies all the following in writing prior to the commencement of any work covered by the change order:
 - Scope of work encompassed.
 - Amount to be added or subtracted from the contract.
 - Effect on the completion date.
 - The Contractor's failure to comply with the requirements of this paragraph does not preclude the recovery of compensation for work performed based upon legal or equitable remedies designed to prevent unjust enrichment. Contractor shall be entitled to extra work completed at a unit price equal to that in the contract. All other work to be billed at Contractor's cost-plus markup fees. The amount of such extra work shall be determined in advance or may be charge for at actual cost plus 36% for Contractor's overhead and profit. Sums for extras shall be due and payable in advance of the work being performed unless agreed to in writing that it is payable at any other time.
- ✓ Owner shall grant access to work areas for workmen and vehicles and shall allow areas for storage of materials and debris. Owner agrees to keep driveways clear for movement and parking of trucks and trailers for normal work hours. Contractor and workmen shall not be expected to keep gates



SYNLAWN®

closed for animals or children. Contractor shall not be held responsible for damage to driveways, walks, shrubs, or other vegetation by movement of trucks, workmen, materials, debris, equipment etc.

- ✓ Upon Completion of work, Contractor will remove job-related debris and surplus material from the Owner's property and leave it in a neat, broom-clean condition.
- ✓ Turf is covered by the manufacturer's warranty. The Contractor warrants the installation for one year and is not responsible for settling that occurs because of work performed by others. Examples are trenching, drain work, tree removal etc., and prior to the Contractor's involvement. A copy is available from a SYNLawn representative.
- ✓ Synthetic turf can be readily repaired or seamed. As with any manufactured product, there are occasional slight differences in color between dye lots. The Contractor cannot be held responsible for any difference in color shading, should the Owner request additional turf to be installed or a repair be deemed necessary.

CANCELLATION:

- ✓ A buyer who is a senior citizen (age 65 or over) may cancel this transaction at any time prior to midnight of the fifth business day after the date of this transaction. All other aged buyers have three business days to cancel. Cancellations must be submitted in writing.

COMMERCIAL GENERAL LIABILITY AND WORKERS COMPENSATION INSURANCE:

- ✓ SYNLawn carries commercial general liability insurance for all employees. Certification is available on request from SYNLawn.
- ✓ SYNLawn carries workers' compensation insurance for all employees.

ARBITRATION OF DISPUTES:

- ✓ In Any legal action on this contract, the prevailing party shall be entitled to reasonable attorney fees and costs. Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association under commercial arbitration rules, and judgment of the award rendered by the arbitrator(s) may be entered in any court having jurisdiction.

MECHANICS' LIEN WARNING:

- ✓ Anyone who helps improve your property but who is not paid may record a mechanics' lien on your property. A mechanics' lien is a claim, like a mortgage or home equity loan, made against your property and recorded with the county recorder. Even if you pay your contractor in full, unpaid subcontractors, suppliers, and laborers who helped to improve your property may record mechanics' lien and sue you to foreclose the lien. If a court finds the lien is valid, you could be forced to pay twice or have a court officer sell your home to pay the lien. Liens can also affect your credit.



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- ✓ To preserve their right to record a lien, each subcontractor and material supplier must provide you with a document called a 20-day Preliminary Notice. This notice is not a lien. The purpose of the notice is to let you know the person who sends you the notice has the right to record a lien on your property if he or she is not paid. Be Careful. The Preliminary Notice can be sent up to 20 days after the subcontractor starts work or the supplier provides material. This can be a problem if you pay your contractor before you receive the Preliminary Notices. You will not get Preliminary Notices from your prime contractor or from laborers who work on your project. The law assumes you already know they are improving your property. Protect yourself from liens. Get a list from your contractor of all subcontractors and material suppliers that work on your project. Find out from your contractor when these subcontractors started work and suppliers delivered goods or materials. Then wait 20 days, paying attention to the Preliminary Notices you receive. Pay with joint checks. When your contractor tells you it is time to pay for the work of a subcontractor or supplier who has provided you with a Preliminary Notice, write a joint check payable to both the contractor and subcontractor or supplier. If you do nothing you risk having a lien placed on your home. This can mean you may have to pay twice or face the forced sale of your home to pay what you owe.

**Signature on the preceding proposal signifies you
have read and completely understand the terms of
this contract.**



SYNLAWN®

Plant-Based Artificial Grass

PRODUCT SPECIFICATIONS



SYNBOCCE

Specifically designed for Bocce Ball courts, SYNBOCCE delivers true ball roll, minimal bounce, and excellent drainage for consistent play. Crafted from 100% nylon, this turf offers remarkable stability, durability, and low maintenance. Its beautiful aesthetic makes it the ideal choice for Bocce courts at any skill level, from casual games to professional play.

SKU	BOCCE
Grass Zone Yarn/Color	Nylon / Verde
Grass Zone Denier	4,200 / 8
Thatch Zone Yarn/Color	-
Thatch Zone Denier	-
Grass Zone Yarn Shape	Textured Diamond
Finished Pile Height	7/8"
Finished Pile / Total Weight	53 oz. / 81 oz.
Backing	13PP/18PET 2pt / 22oz. EnviroLoc+™
Tuft Gauge	3/16"
Tuft Bind	> 8 lbs.
Permeability	> 400 inches p/hr
Features	EnviroLoc+™ UV Stabilizers
Test Data	ASTM F1292, EN16717, EN 12234



LIMITED LIFETIME WARRANTY



IDEAL SURFACE FOR BOCCÉ COURTS



CONSISTENT BALL-ROLL PERFORMANCE



COLOR-FAST YARNS + UV PROTECTION

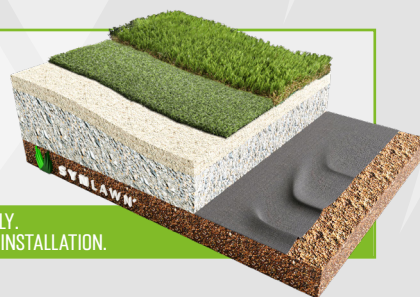
INSTALLATION DETAILS AVAILABLE AT



CADdetails

MasterSpec®

NOT TO SCALE. FOR ILLUSTRATION ONLY.
CONTACT YOUR LOCAL SYNLAWN FOR INSTALLATION.



BOCCÉ



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

02.10.2025



Official Synthetic Surface

Primary Yarn Polymer	Nylon	Primary Backing	13PP/18PET 2pt
Yarn Cross Section	Textured Diamond	Coating Type	22 oz. EnviroLoc+
Standard Color	Verde	PE Yarn Denier / Ends	4,200 / 8
Fabric Construction	Tufted	Texturized Thatch Denier / Ends	-
Second Yarn Polymer Thatch	-	Warranty Period	Limited Lifetime
Secondary Yarn Color	-		

FINISH FABRIC	ENGLISH SYSTEM		ASTM TEST
Nominal Specification	Value	Units	Method
Pile Height (Nominal)	7/8	inches	D-5823
Face Weight	53	oz/yd ²	D-5848
Total Fabric Weight	81	oz/yd ²	D-5848
Primary Backing Weight	6	oz/yd ²	D-5848
Secondary Coating Weight	22	oz/yd ²	D-5848
Tuft Bind	> 8	lbs.	D-1335
Grab Tear Strength (Average)	> 200	lbs.	D-5034
Total Yarn Linear Density	4,200	Denier	D-1577
Elongation to Break	> 30	%	D-2256
Yarn Breaking Strength	> 20	lbs.	D-5793
Machine Gauge	3/16	inches	D-5793
Flammability	Passed	-	D-2859
Water Permeability	> 400	in/hr	D-1551
Fabric Width	15	ft	-



SYNLAWN'S EXCLUSIVE

HeatBlock™ Technology



Artificial grass with cooler surface temperatures.

For a Difference You Can Feel...

Beat the heat with SYNLawn® artificial grass using HeatBlock™ Technology. Scientifically proven, SYNLawn's exclusive HeatBlock Technology lowers rising temperatures by reflecting sunlight, thus reducing heat build-up and emissivity.

Heat build-up occurs in most materials when thermal energy from the sun's rays hit the surface of an object. In the same way dark clothing absorbs more heat than light clothing, synthetic turf can also hold in heat making it uncomfortable when it's hot outside.

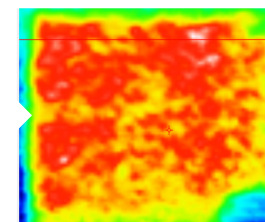
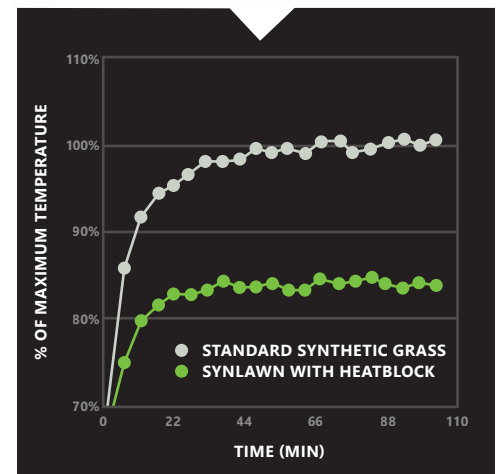
Therefore, SYNLawn with HeatBlock Technology incorporates infrared reflective pigments that help dissipate heat build-up and reduce fiber emissivity by as much as 20% cooler than similar artificial turf products.

For a Difference You Can See...

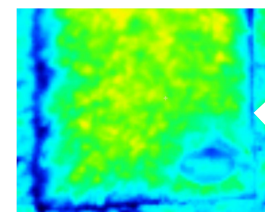
SYNLawn artificial grass with HeatBlock Technology also adds a finish to each grass fiber that has less 'shimmer', is softer to the touch and less abrasive than other synthetic grasses for a more realistic look you can see and feel.

Visit a SYNLawn dealer near you to experience the SYNLawn HeatBlock Technology difference today!

*Thermal images captured with Fluke Ti20 Thermal Imager. Images are captured with a calibrated temperature data in a matrix of over 12,000 discrete measurements per thermal image.



Other Synthetic Grasses



SYNLawn with HeatBlock



For ordering and questions, contact SYNLawn at 866-796-5296 or visit SYNLawn.com





SYNLAWN®

Plant-Based Artificial Grass

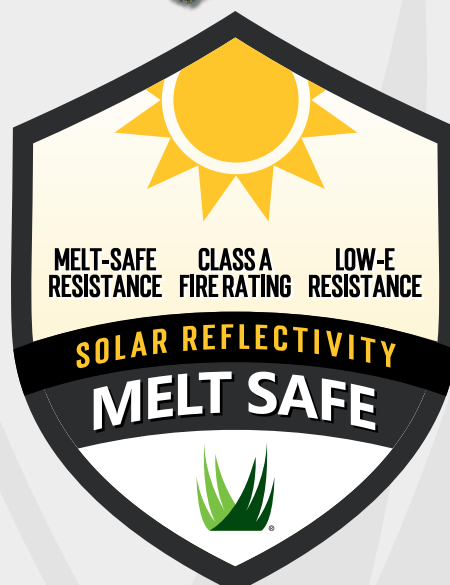
NYLON ADVANTAGE

COMMERCIAL TOUGH



THE ULTIMATE IN BEAUTY AND SAFETY FOR ROOF, PLAYGROUND, GOLF APPLICATIONS

Nylon is the undisputed strongest synthetic fiber. It provides unsurpassed durability, strength and heat resistance which is why it's found in critical materials for the sports, military and retail industry. SYNLawn® uses this unique Nylon fiber in artificial grass for 3 key purposes; abrasion resistance in high wear applications, resistance to fire spread and high heat making it ideal for rooftops, decks, and patios, indoors or out.



3

KEY BENEFITS TO NYLON FIBER



ABRASION RESISTANCE EXTREME DURABILITY

Nylon has a strength advantage in that it's molecularly structured to withstand stress and abrasion in ways that other fibers don't. Nylon offers extreme UV stability for high performance regions.



MELT-SAFE RESISTANCE HIGH MELT POINT

430° melt point surpasses fire safety standards, and useful in combating melt from window reflectivity. Low-E windows can magnify the sun's rays on surfaces which is why nylon is often used. Additionally, SYNLawn provides warranty for such conditions.



FIRE SPREAD RESISTANCE E108 CLASS A FIRE RATED

Nylon has twice the melt point as polyethylene making it ideal for passing various fire tests. There are three fire tests with ascending degrees of difficulty – nylon easily meets all three. The E-108 is typically used to pass rooftop fire code for flame spread.



SYNLAWN®
a sportgroup company

SYNLAWN.COM • SYNLAWNGOLF.COM • (866) 796-5296



SPECIFICATIONS SUBJECT TO CHANGE

08/07/2023



ROOFTOPS

SYNLawn® has set the standard for nylon's use in rooftop projects with over 53 fire-related tests protecting the public and ensuring proper standards in the industry.



PLAYGROUNDS

For playgrounds it allows designers the ability to address high impact trample zones like underneath slides and swings that are receptive to an extreme wear pattern.



GOLF

Golf clubs going green? SYNLawn's extruded nylon does not transfer color or plastic – if you have green on your clubs its from sub-standard fibers or products. Nylon allows easy club swing without degradation.



DID YOU KNOW?

- ✓ Nylon is 40% more resilient than Polyethylene and 22% more resilient than Polypropylene.
- ✓ Nylon is a phenomenal fiber but is NOT recommended for dog parks. The physical structure, while durable, does in fact retain bacteria from urine.
- ✓ Nylon's durability makes it a long-term synthetic fiber solution reducing landfill waste and contributing to sustainability.

PROVEN SAFETY + FIRE RETARDANT

SYNLAWN TURF INHIBITS SPREAD OF FIRE

Captured by Fox News, a fire at the Cosmopolitan Casino Las Vegas, highlights the importance of fire rated surfacing. SYNLawn replaced a competitor's turf with nylon – just in time after a fire began on the iconic Bamboo Pool Area. Nylon not only combated melt due to window reflectivity on the party deck but halted a fire accelerated by faux palm trees and cabana covers. Fire spreads quickly and the unique qualities potentially saved lives and limited injury to smoke inhalation.





SYNLawn's exclusive EnviroLoc+™ Backing System is a soy-based, environmentally friendly, multi-layer component system that "locks" in durable turf fibers, extending the product's life cycle and creating a fuller tufted look. Made in the USA, the EnviroLoc+ Backing System replaces a portion of petroleum-based polymers with biobased polymers created from sustainable resources including soybean oil. Additionally, EnviroLoc+ contains properties that help to decrease allergens in the air. SYNLawn's iconic green soy backing, the back of every SYNLawn product contains a certification number and logo.



- ▶ Less fiber loss for a more environmentally responsible approach to synthetic grass.
- ▶ Reduces algae and fungi growth to help alleviate allergies in the environment.
- ▶ The long-life expectancy of SYNLawn's artificial grass and recyclable properties reduces the impact on landfills, eliminate emissions from lawn care tools, and save precious water resources.
- ▶ SYNLawn's EnviroLoc+ Backing System makes it the cleanest and safest turf available.

TECHNOLOGY THAT
MAKES A DIFFERENCE

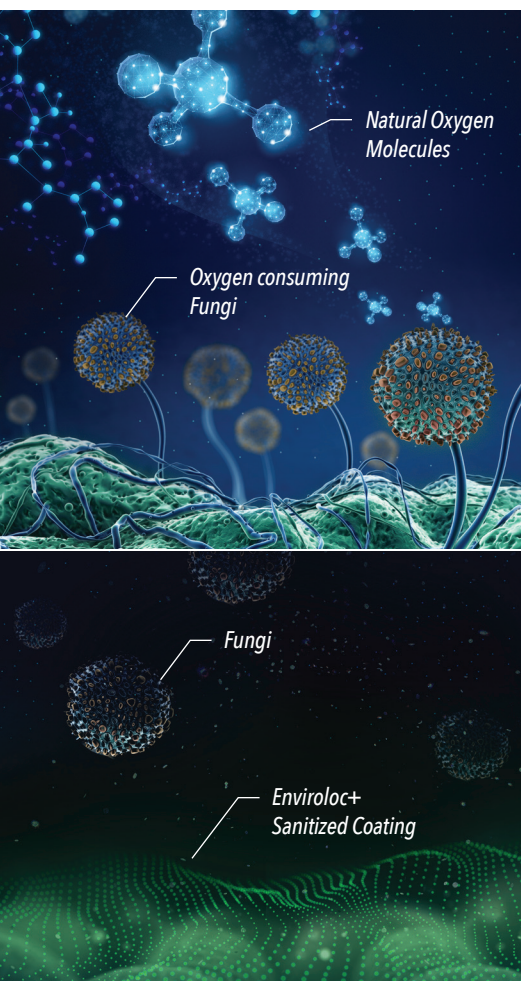


SYNLawn's environmental leadership continues to advance with new enhancements that make appreciable differences in commercial and residential markets.

SYNLawn is the exclusive turf partner of Sanitized®. With over 84 years of experience, Sanitized has developed technologies for antimicrobial hygiene function and material protection.

ALGAE AND FUNGI PREVENTION

Algae and Fungi are known health risks that can harm local wildlife and cause toxic runoff water and thrives in warm and wet environments. Algae creates dead zones by depleting water of its natural oxygen, which can create unsafe water that wildlife could consume. This is also an expensive and challenging situation to treat the water. With the addition of the Sanitized hygiene function, SYNLawn's artificial grass has protection from the formation of fungi and algae. This added protection from Sanitized extends the life of the surface and helps to reduce allergens in the immediate environment.



FUNGI CARBON RELEASES

Fungi is constantly floating around, everywhere. It's a common reason for respiratory allergies, similar to pollen and pet dander. It is often costly and time consuming to remove fungi which is why SYNLawn's EnviroLoc+ Sanitized coating is an important feature to keep you safe.

OUR PRODUCTS ARE SUSTAINABLY CREATED
WITH THE ENVIRONMENT IN MIND.



For ordering and questions, contact SYNLawn at
866-796-5296 or visit SYNLawn.com



Turf Infill Coated Sand

Preferred has 10+ years of resin coating experience, 16 USPTO patents granted and numerous patent applications pending. Preferred's innovative coatings have won numerous awards such as the 2014 R&D 100 award. Preferred owns and operates the natural sand processing plant, the proprietary state of the art coating plant, and the packaging plant in Genoa, Nebraska. Preferred's facility runs on hydroelectric power and directly supports two hydroelectric plants in Nebraska by repurposing recycled wasted product from the hydroelectric power generating process.

Available in bulk, Super Sacks and 50 lb bags



Safe for the Environment

- OptiFILL+ is manufactured by an Eco-friendly VOC free coating process using natural river washed silica sand as a substrate
- No color leaching in water up to 250 °F in autoclave

High Performance Infill

- OptiFILL+ is UV and weathering resistant, with no detectable color change or degradation after 5,000 hours of accelerated weathering
- OptiFILL+ improves the drainage of the turf system for maximum fluid (water/pet urine) infiltration

Safe for your Home and Family

- Antimicrobial coating prevents growth of bacteria, fungi and mold, keeping your turf clean and disinfected
- Odor control properties for ammonia (pet urine)
- Phthalates, Lead and Heavy Metals free
- Non-flammable, non-toxic dust free

Durable and Reusable

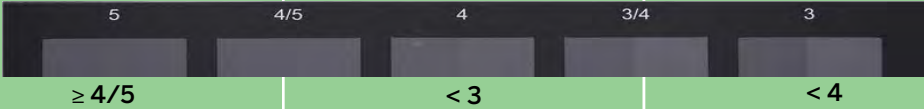
- Using a high-quality sand substrate, OptiFILL+'s innovative coating is designed to enhance durability to ensure longevity and reusability of the infill
- Stable, Non-degradable antimicrobial

Sales contact: Anthony Haddock • 402.276.3615 • ahaddock@preferred.com

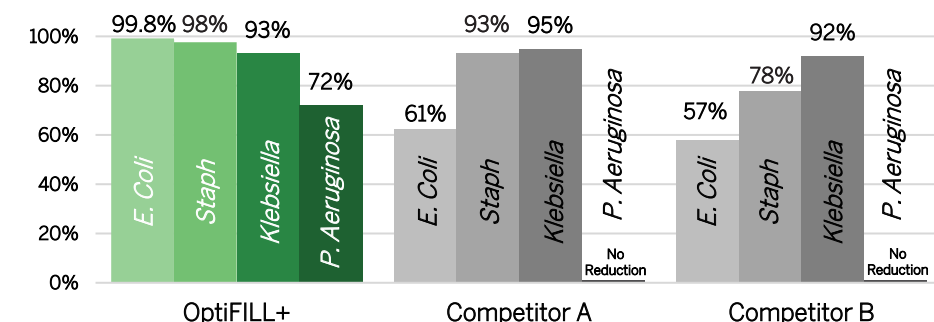
CUSTOMER SERVICE: 855.372.2435

CORPORATE HEADQUARTERS: 104 S WAYNE AVE #8308 • WAYNE, PA 19087-9998 USA
855.372.2435 TEL • www.preferredsands.com

Accelerated Weathering

Property	OptiFILL+	Competitor A	Competitor B
Weathering / UV Stability	Color is stable beyond +2,000 hours of accelerated weathering	Color starts changing after 500 hours of accelerated weathering	Color starts changing at 1,000 hours of accelerated weathering
Gray Scale value after 3,000 hours of accelerated weathering			

Antimicrobial Reduction



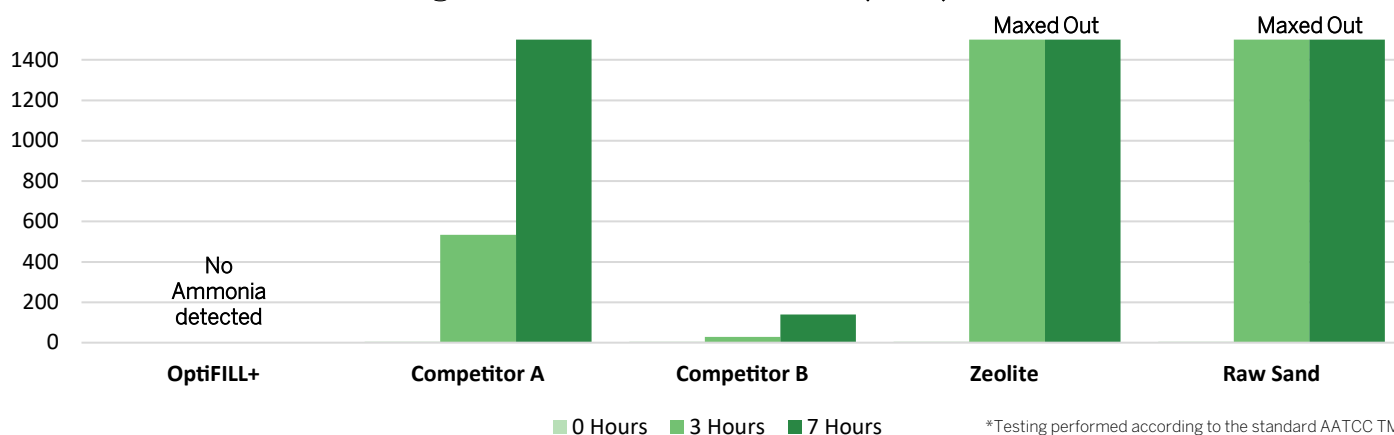
Escherichia Coli; Staphylococcus Aureus; Klebsiella Pneumoniae; Pseudomonas Aeruginosa

OptiFILL+ outperformed competitors in antimicrobial properties against most predominant infectious (non-airborne or food-related) bacteria

Ammonia Reduction - Proteus vulgaris*

OptiFILL+ samples didn't generate ammonia vs. Competition and raw sand (uncoated infill)

Average Detected Ammonia Conc. (PPM)



*Testing performed according to the standard AATCC TM211.

Sources: #96348/6690, #96388/6699; Labosport R22449CAN-A1; Microstar Lab Reports - R2021-385; R2021-771, R2021-456-2; R2023-39-2

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INNOVATIVE COATING

The novel OptiFILL+ coating is resistant to weathering (UV stable), dust free, non-toxic, heavy metals free, nonflammable, resistant to microbes, fungi, and odors (patent pending).

PERFORMANCE

OptiFILL+ meets all industry standards and its coating technology is tailored for enhanced durability and performance enabling it to be reused.

ENVIRONMENTAL RESPONSIBILITY

OptiFILL+ is an environmentally safe product manufactured by an Eco-friendly VOC free coating process using natural river silica sand, as a substrate, from our facility in Genoa, Nebraska with millions of tons of inventory. Preferred's facility runs on hydroelectric power and directly supports two hydroelectric plants in Nebraska, by repurposing recycled wasted product from the hydroelectric power generating process.

Preferred has 10+ years of resin coating experience, 16 USPTO patents granted and numerous patent applications pending. Preferred innovative coatings have won numerous awards such as the 2014 R&D 100 award. Preferred owns and operates the natural sand processing plant, the proprietary state of the art coating plant, and the packaging plant in Genoa, Nebraska.

PRODUCT DATA	
Available Sizes	16/30, 20/40, 30/50, 40/70 (Special sizes available upon request)
Material	Polymeric coated natural silica sand
Density	90-95 lb/ft ³ (ASTM F-1815-06)
Roundness	0.6-0.9 (Krumbein Shape Factor ISO13503-2/API RP19C)
Drainage	+290 in/hr (Infiltration EN 12616:2013)
Toxicity	No heavy metal leaching (ASTM F3188/Prop 65)
Weathering / UV Stability	No detectable color change after +3,000 hours of accelerated weathering
Antimicrobial / Antifungal	Long-term protection against gram +ve/-ve bacterial (ASTM E2149) and fungal activity (ASTM G 21-15)
Turbidity	Negligible dust < 15 NTU (API RP 19C)
Flammability	Nonflammable (ASTM D2859-06)
Angle of Repose	± 30° (ASTM C1444)
Leaching	No color leaching in water up to 250 °F in autoclave Stable, Non-degradable antimicrobial
Availability	Available in 50 lb bags, 3,000 lb bags and bulk (Rail and truck)

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