



SUBMITTAL FOR

Multi-Purpose Recreation Fields & Regional Stormwater Treatment System Project
Portsmouth, NH

Product: Shock Pad

Date of Initial Submission: 10/7/2020

Specification/Item #: 02790 - 2.01D

Subcontractor/Supplier/Manufacturer: Schmitz

PLEASE MARK BELOW WITH REVIEW & ACTION STAMP.

- Product Data
- Performance Testing
- Toxicology Report
- PFAs Analysis
- Statement of Sustainability
- Sample Warranty
- Reference List

<i>QUIRK CONSTRUCTION CORP.</i>			
Job #	<u>000771</u>	Submittal #	<u>02790-05</u>
Date:	<u>10/7/2020</u>	Checked by:	<u>JW</u>

SUBMITTAL REVIEW

1 FURNISH AS SUBMITTED 3 REVISE AND RESUBMIT
2 FURNISH AS NOTED 4 REJECTED

This submittal has been reviewed for general conformance with the plans and specifications for this project. Corrections, comments and/or clarifications noted do not relieve the contractor from coordinating and correlating all dimensions and quantities, selections of construction techniques, coordinating the work of its forces and the other trades, and performance of the work in a safe and satisfactory manner.

WESTON & SAMPSON ENGINEERS, INC.

Date 11/3/2020 By *[Signature]*

GENERAL INFORMATION



Artificial turf system with ProPlay®-Sport shock pad



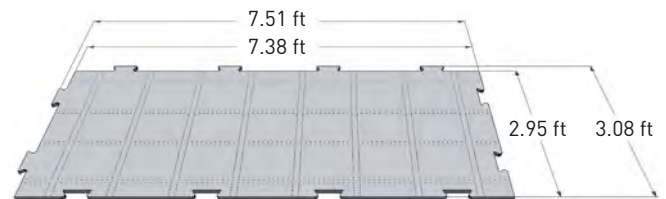
Puzzle shaped ProPlay® sheets with expansion slots

Product description

ProPlay®-Sport is a top performance shock and drainage pad, and the perfect basis of design for high-quality synthetic turf systems being utilized for sports fields, multi-use, and play areas.

ProPlay®-Sport is made of thermal bonded (closed-cell) cross-linked polyethylene foam (XPE). This foam originates from production remnants and overruns and contains no contaminants.

ProPlay®-Sport20 is designed as a sport technical layer for synthetic turf sports fields. The product performs in all weather conditions and is renowned for its excellent water permeability. If desired it can be delivered with in-plane drainage channels (ProPlay®-Sport20D), offering superior lateral drainage when the artificial grass system is to be installed on an impermeable subbase.



Dimensions ProPlay®-Sport sheet

ENVIRONMENT, HEALTH AND SAFETY CREDENTIALS

ProPlay® can be safely used for any artificial grass system. The products do not contain any harmful substances, like heavy metals or polycyclic aromatic hydrocarbons (PAH's), in concentrations that pose a risk for the environment and/or human health.

ProPlay®-Sport complies with:

- The state of California's Code of Regulations (CCR):
 - Title 22 'Social Security' – Division 4.5 'Environmental Health Standards for the Management of Hazardous Waste'.
 - Title 27 'Environmental Protection' - Division 4 'Office of Environmental Health Hazard Assessment' - Chapter 1 'Safe Drinking Water and Toxic Enforcement Act of 1986' (Proposition 65).

- The European Community:
 - Regulation No 1272/2008 of the European Parliament and of the Council on Classification, Labelling and Packaging of substances and mixtures (CLP).
 - Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- Toxicology requirements from ESTC (ESTO) Shock pad Working Group's 'Performance Guide for Shock pad'

TECHNICAL DATA

Physical characteristics	Tolerance	ProPlay [®] Value	Unit	Standard
Thickness at 0.3 psi load	+/- 0.04	0.79	in	EN-ISO 9863-1
Mass per unit area	+/- 0.06	0.61	lb/ft ²	EN-ISO 9864

* As modified by Schmitz Foam Products

Strength characteristics	ProPlay [®] Value	Unit	Standard
Tensile strength	38	psi	ASTM D 3575 (EN 12230)
Compressive at 25% deflection	12	psi	ASTM D 3575
• Thickness after 72 hour recovery	0.79	in	-
Compressive at 50% deflection	49	psi	ASTM D 3575
• Thickness after 72 hour recovery	0.79	in	-

Field performance characteristics	ProPlay [®] Value	Unit	Standard
Impact attenuation (Gmax) in the field*	80-110	-	ASTM F 1936 / F 355-A

* Results will vary depending on the system and subbase.

Performance characteristics	ProPlay [®] Value	Unit	Standard
Water flow rate under 2 in (51 mm) hydraulic head	15	gpm/ft ²	ASTM D 4491 (EN ISO 11058)
• (resulting) Water permeability by permittivity	5.9	gpm/ft ²	ASTM D 4491 (EN ISO 11058)
In-plane water flow rate at 0.3 psi (2 kPa) load and 0.005 hydraulic gradient (0.5% slope)	0.05	gpm/ft	ASTM D 4716 (EN ISO 12958)
• (resulting) Hydraulic transmissivity [θ]	10	gpm/ft	ASTM D 4716 (EN ISO 12958)
Thermal conductivity [λ 10]	0.03	BTU/h.ft.°F	ASTM C 177 (EN 12667)
• (resulting) Thermal resistance [R-value]	2.3	h.ft ² .°F/BTU	ASTM C 177 (EN 12667)

INSTALLATION DISCLAIMER

- Installation of ProPlay[®]-Sport must be done under the code of good workmanship. Schmitz Foam Products B.V. does not accept any liability for the design, or construction of any facilities, or actions of any parties employed, as a result of, or in connection with, any information provided in this document.
- It is recommended that the subbase is designed and approved by an architect or civil engineer, based on the geotechnical and meteorological conditions of the site and any (local) restrictions to the drainage discharge.
- Although ProPlay[®]-Sport can be installed on any kind of subbase, as long as the construction itself is strong enough to hold installation and maintenance equipment, it is advised that the subbase has a minimum undrained shear strength of at least 1044 lbf/ft² (BS 1377, part 7) or a minimum California Bearing Ratio of 5% (BS 1377, part 4) or equivalent.
- The planarity of the sub base surface should be within 0.8 inch under a 9.8 foot straight edge.
- When a ProPlay[®]-Sport "D" variant (for lateral drainage) is applied, the slope of the surface of the subbase should be at least 0.5%, although 1.0% is better. When the surface of the subbase can rinse out, it is recommended to use a liner (foil or geotextile).
- It shall be noted that ProPlay[®]-Sport - like any other foam shock pad - will expand/contract under the influence of changes of temperature; to prevent unnecessary shrinkage after completion of the installation, the ProPlay[®]-Sport recommended installation method must be used in its entirety!
- The textile of the ProPlay[®]-Sport should not be exposed to UV-radiation (i.e. daylight) for more than 1 month.
- It is advised to install the synthetic turf within 1 week after installation of the ProPlay[®]-Sport.
- The synthetic turf shall not be glued (or in any other way be attached) to the ProPlay[®]-Sport, since the ProPlay[®]-Sport needs to be able to expand/contract without any hampering.
- It is strongly recommended to stabilize the synthetic turf with at least 3.1 lbs/ft² of sand, or (preferably) to use a turf with a fiberglass reinforced backing.
- In any case, it is advised to fix the turf to the perimeter of the field (according to the guidelines of the turf supplier).
- During installation of the ProPlay[®]-Sport or after installation (when installing and filling the synthetic turf) it is allowed to drive over the ProPlay[®]-Sport with installation equipment/machines. The load (per tyre) of the installation equipment shall be less than 40 psi for short time frames (e.g. driving over the surface). Vehicles that are temporarily parked on the surface should have a load of less than 20 psi per tyre.

GENERAL DISCLAIMER

- This ProPlay[®] product data sheet provides general product properties and is not related to specific sportfield and playground installation regulations. Relevant ProPlay[®] shock pad installation instructions can be found in the ProPlay[®] installation recommendation guide. Please note there are separate installation manual for ProPlay[®]-Sport and ProPlay[®] for Playgrounds products.
- The given information is based on (independent) measurements and (where possible) based on average values measured over a long and representative period. Additional information can be made available upon request.
- Great attention to the accuracy of this document was taken during its compilation. This publication supersedes and replaces all previous datasheets. Schmitz Foam Products B.V. cannot, however, guarantee the total accuracy of the information included. If you have any doubts or further questions please do not hesitate to contact us by phone 517-781-6620.

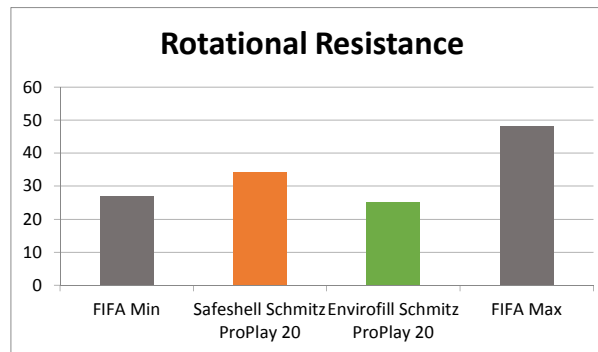
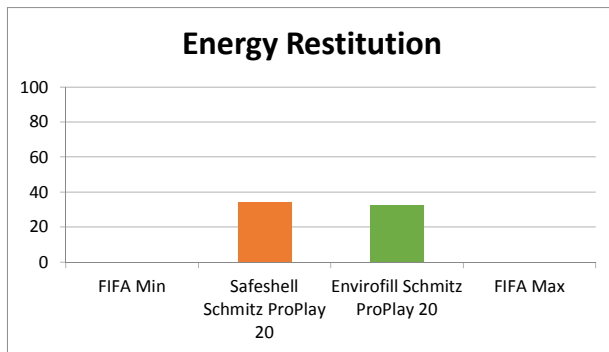
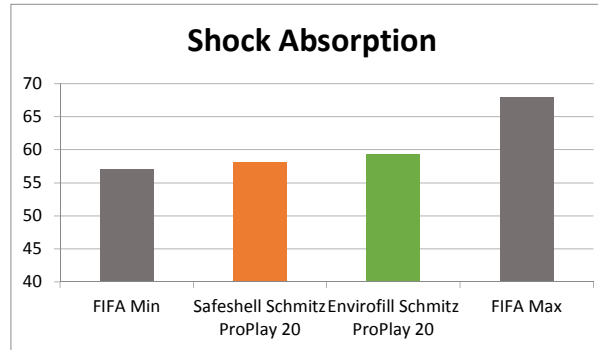
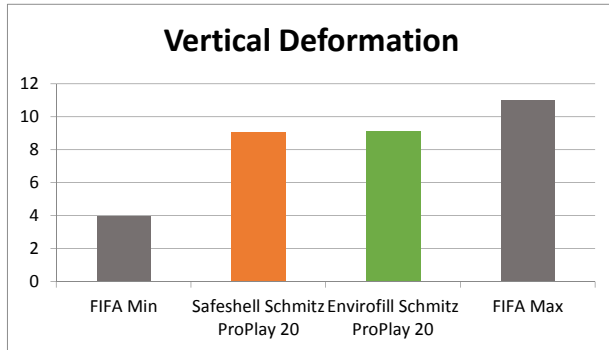
Schmitz Foam Products LLC is the global supplier of ProPlay[®], the perfect shock and drainage pad for high-quality artificial grass systems in sports and playgrounds.



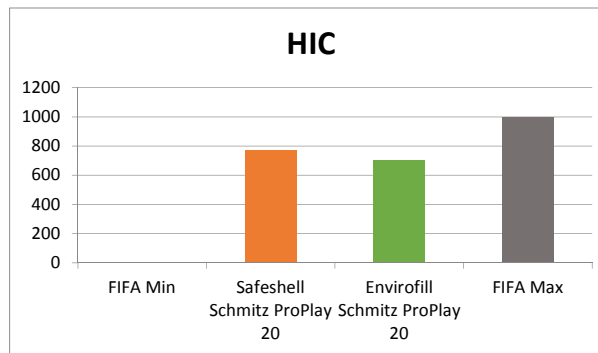
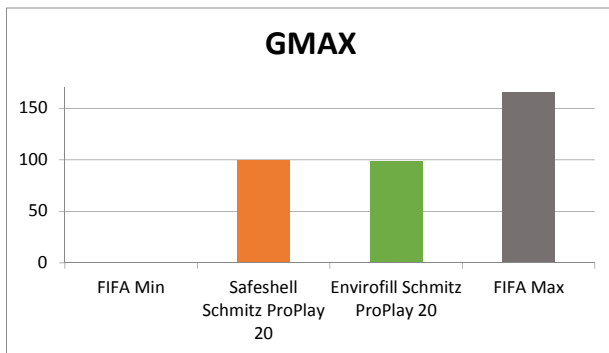
Schmitz Foam Products LLC
188, Treat Ave
Coldwater MI 49036
T: 517-781-6620 • sales@proplayus.com

Carpell Surfaces - 1.75" mono fiber, 5 lbs round 16/30 sand with 1.5 lbs Safeshell (~32mm infill depth) compared to 7.5 lbs Envirofill per SF (~32mm infill depth)

	Vertical Deformation	Shock Absorption	Energy Restitution	Rotational Resistance	GMAX	HIC
FIFA Min	4	57		27		
Safeshell Schmitz ProPlay 20	9	58	34	34	100	769
Envirofill Schmitz ProPlay 20	9	59	32	25	99	698
FIFA Max	11	68		48	165	1000



*No FIFA range set for Energy Restitution



LABORATORY TESTING TOXICOLOGY ANALYSIS



Project Information

Project Name	Schmitz Foam Shockpad Toxicology Analysis	
Client Information	Schmitz Foam Products, LLC 188 Treat Avenue Coldwater, MI 49036	
Report Date	April 16, 2020	
Job No.	95517/5891	
Report Status	Final	
Prepared by	Megan Illsley Laboratory Director	
Checked by	Jeffrey Gentile Operations Director	

Notes:

1. This report has been prepared by Firefly Sports Testing with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.
2. This report is confidential to the Client and Firefly Sports Testing accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.
3. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."

Standard:

Test Type	Test Method	Test Description
Shockpad Toxicology	EPA 6010B	Synthetic Precipitation Leachate Procedure (SPLP) (EPA SW-846 Method 1312) extraction tests utilizing EPA 6010B analysis method designed to simulate 100 years of acid rain exposure.

Requirements:

The limits detailed are taken from the US Drinking Water Standards with the rationale that if the leachate from the shockpad products is safe to drink, it would not be harmful to the environment surrounding the synthetic turf fields where it is installed. Results are expressed as a sample detection limit-based result - the value at which an instrument can accurately measure an analyte at a specific concentration.



LABORATORY TESTING TOXICOLOGY ANALYSIS



Results Table:

Component	Test Method	Result (mg/L)	Limits (mg/L)	Pass/Fail
Arsenic	EPA 6010B	< 0.01	0.010	Pass
Barium	EPA 6010B	< 0.5	2.000	Pass
Cadmium	EPA 6010B	< 0.005	0.005	Pass
Chromium	EPA 6010B	< 0.01	0.100	Pass
Lead	EPA 6010B	< 0.01	0.015	Pass
Mercury	EPA 7470	< 0.0002	0.002	Pass
Selenium	EPA 6010B	< 0.05	0.050	Pass
Silver	EPA 6010B	< 0.01	0.100	Pass

Sample Photo:



End of Report



Unit D5 • 78 Londonderry Tpk • Hooksett • New Hampshire • 03106
Telephone: (603) 715-5453 • E-Mail: Info@fireflysportstesting.com



Project Information

Project Name	ProPlay20 PFAS Analysis – EPA 537.1 Modified		
Client Information	Schmitz Foam Products, LLC 188 Treat Avenue Coldwater, MI 49036		
Date	5/28/2020	Sample Received Date	5/15/2020
Report Status	Final	Job No.	95702/6073
Prepared by	Megan Illsley Laboratory Director		
Checked by	Jeffrey Gentile Director of Operations		

Notes:

1. This report has been prepared by Firefly Sports Testing with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.
2. This report is confidential to the Client and Firefly Sports Testing accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.
3. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."
4. These samples were subcontracted for analysis. All results and corresponding information can be found in the enclosed report from the subcontract laboratory.

Summary

Firefly Sports Testing has commissioned Bureau Veritas to perform laboratory testing for the following characteristics listed below.

Analyses	Laboratory Method	Analytical Method
PFAS in soil by SPE/LCMS (1)	CAM SOP-00894	EPA 537.1 Modified

Complete results can be found in the subsequent sections of this report.





Your C.O.C. #: na

Attention: Megan Illsley

Firefly Sports Testing
78 Londonderry Tpk.
Unit D5
Hooksett, NH
USA 03106

Report Date: 2020/05/22
Report #: R6182632
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0C0490

Received: 2020/05/16, 11:20

Sample Matrix: Solid
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
PFAS in soil by SPE/LCMS (1)	1	2020/05/20	2020/05/21	CAM SOP-00894	EPA 537 m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Per- and polyfluoroalkyl substances (PFAS) identified as surrogates on the certificate of analysis represent the extracted internal standard.



Your C.O.C. #: na

Attention: Megan Illsley

Firefly Sports Testing
78 Londonderry Tpk.
Unit D5
Hooksett, NH
USA 03106

Report Date: 2020/05/22
Report #: R6182632
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0C0490

Received: 2020/05/16, 11:20

Encryption Key

Stephanie Pollen
Project Manager
22 May 2020 15:07:54

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Stephanie Pollen, Project Manager
Email: Stephanie.Pollen@bvlabs.com
Phone# (905)817-5830

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



PERFLUOROALKYL SUBSTANCES (SOLID)

BV Labs ID		MQQ744	MQQ744			
Sampling Date						
COC Number		na	na			
	UNITS	SCHMITE FOAM SAMPLE@PROPLAY 20	SCHMITE FOAM SAMPLE@PROPLAY 20 Lab-Dup	RDL	MDL	QC Batch
Perfluorinated Compounds						
Perfluorohexanoic acid (PFHxA)	ug/kg	ND	ND	1.0	0.14	6731906
Perfluoroheptanoic acid (PFHpA)	ug/kg	ND	ND	1.0	0.18	6731906
Perfluorooctanoic acid (PFOA)	ug/kg	ND	ND	1.0	0.16	6731906
Perfluorononanoic acid (PFNA)	ug/kg	ND	ND	1.0	0.15	6731906
Perfluorodecanoic acid (PFDA)	ug/kg	ND	ND	1.0	0.31	6731906
Perfluoroundecanoic acid (PFUnA)	ug/kg	ND	ND	1.0	0.15	6731906
Perfluorododecanoic acid (PFDoA)	ug/kg	ND	ND	1.0	0.19	6731906
Perfluorotridecanoic acid (PFTRDA)	ug/kg	ND	ND	1.0	0.17	6731906
Perfluorotetradecanoic acid (PFTEDA)	ug/kg	ND	ND	1.0	0.15	6731906
Perfluorobutanesulfonic acid (PFBS)	ug/kg	ND	ND	1.0	0.14	6731906
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	ND	ND	1.0	0.14	6731906
Perfluorooctanesulfonic acid (PFOS)	ug/kg	ND	ND	1.0	0.21	6731906
EtFOSAA	ug/kg	ND	ND	1.0	0.32	6731906
MeFOSAA	ug/kg	ND	ND	1.0	0.30	6731906
Hexafluoropropyleneoxide dimer acid	ug/kg	ND	ND	1.0	0.33	6731906
4,8-Dioxa-3H-perfluorononanoic acid	ug/kg	ND	ND	1.0	0.20	6731906
9Cl-PF3ONS (F-53B Major)	ug/kg	ND	ND	1.0	0.19	6731906
11Cl-PF3OUdS (F-53B Minor)	ug/kg	ND	ND	1.0	0.20	6731906
Surrogate Recovery (%)						
13C2-Perfluorodecanoic acid	%	114	102	N/A	N/A	6731906
13C2-Perfluorododecanoic acid	%	113	97	N/A	N/A	6731906
13C2-Perfluorohexanoic acid	%	113	99	N/A	N/A	6731906
13C2-perfluorotetradecanoic acid	%	113	102	N/A	N/A	6731906
13C2-Perfluoroundecanoic acid	%	109	95	N/A	N/A	6731906
13C3-HFPO-DA	%	100	90	N/A	N/A	6731906
13C3-Perfluorobutanesulfonic acid	%	105	93	N/A	N/A	6731906
13C4-Perfluoroheptanoic acid	%	111	98	N/A	N/A	6731906
13C4-Perfluorooctanesulfonic acid	%	103	92	N/A	N/A	6731906
13C4-Perfluorooctanoic acid	%	111	99	N/A	N/A	6731906
13C5-Perfluorononanoic acid	%	113	101	N/A	N/A	6731906
18O2-Perfluorohexanesulfonic acid	%	101	92	N/A	N/A	6731906
D3-MeFOSAA	%	114	104	N/A	N/A	6731906
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate ND = Not detected N/A = Not Applicable						



PERFLUOROALKYL SUBSTANCES (SOLID)

BV Labs ID		MQQ744	MQQ744			
Sampling Date						
COC Number		na	na			
	UNITS	SCHMITE FOAM SAMPLE@PROPLAY 20	SCHMITE FOAM SAMPLE@PROPLAY 20 Lab-Dup	RDL	MDL	QC Batch
D5-EtFOSAA	%	112	98	N/A	N/A	6731906
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable						



TEST SUMMARY

BV Labs ID: MQQ744
Sample ID: SCHMITE FOAM SAMPLE@PROPLAY 20
Matrix: Solid

Collected:
Shipped:
Received: 2020/05/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFAS in soil by SPE/LCMS	LCMS	6731906	2020/05/20	2020/05/21	Patrick Yu Peng Li

BV Labs ID: MQQ744 Dup
Sample ID: SCHMITE FOAM SAMPLE@PROPLAY 20
Matrix: Solid

Collected:
Shipped:
Received: 2020/05/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFAS in soil by SPE/LCMS	LCMS	6731906	2020/05/20	2020/05/21	Patrick Yu Peng Li



BUREAU
VERITAS

BV Labs Job #: COC0490

Report Date: 2020/05/22

Firefly Sports Testing

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	22.2°C
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Results relate only to the items tested.



BUREAU
VERITAS

BV Labs Job #: C0C0490

Report Date: 2020/05/22

QUALITY ASSURANCE REPORT

Firefly Sports Testing

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
6731906	13C2-Perfluorodecanoic acid	2020/05/21	96	50 - 150	95	50 - 150	97	%		
6731906	13C2-Perfluorododecanoic acid	2020/05/21	92	50 - 150	93	50 - 150	97	%		
6731906	13C2-Perfluorohexanoic acid	2020/05/21	92	50 - 150	95	50 - 150	105	%		
6731906	13C2-perfluorotetradecanoic acid	2020/05/21	96	50 - 150	93	50 - 150	98	%		
6731906	13C2-Perfluoroundecanoic acid	2020/05/21	96	50 - 150	96	50 - 150	95	%		
6731906	13C3-HFPO-DA	2020/05/21	87	50 - 150	88	50 - 150	99	%		
6731906	13C3-Perfluorobutanesulfonic acid	2020/05/21	81	50 - 150	91	50 - 150	95	%		
6731906	13C4-Perfluoroheptanoic acid	2020/05/21	90	50 - 150	94	50 - 150	101	%		
6731906	13C4-Perfluorooctanesulfonic acid	2020/05/21	88	50 - 150	89	50 - 150	92	%		
6731906	13C4-Perfluorooctanoic acid	2020/05/21	91	50 - 150	95	50 - 150	102	%		
6731906	13C5-Perfluorononanoic acid	2020/05/21	96	50 - 150	96	50 - 150	101	%		
6731906	18O2-Perfluorohexanesulfonic acid	2020/05/21	86	50 - 150	89	50 - 150	94	%		
6731906	D3-MeFOSAA	2020/05/21	101	50 - 150	102	50 - 150	103	%		
6731906	D5-EtFOSAA	2020/05/21	97	50 - 150	97	50 - 150	94	%		
6731906	11Cl-PF3OUdS (F-53B Minor)	2020/05/21	91	70 - 130	86	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	4,8-Dioxa-3H-perfluorononanoic acid	2020/05/21	101	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	9Cl-PF3ONS (F-53B Major)	2020/05/21	96	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	EtFOSAA	2020/05/21	104	70 - 130	95	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Hexafluoropropyleneoxide dimer acid	2020/05/21	97	70 - 130	92	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	MeFOSAA	2020/05/21	104	70 - 130	94	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorobutanesulfonic acid (PFBS)	2020/05/21	108	70 - 130	94	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorodecanoic acid (PFDA)	2020/05/21	109	70 - 130	96	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorododecanoic acid (PFDoA)	2020/05/21	110	70 - 130	100	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluoroheptanoic acid (PFHpA)	2020/05/21	105	70 - 130	97	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorohexanesulfonic acid (PFHxS)	2020/05/21	104	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorohexanoic acid (PFHxA)	2020/05/21	104	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorononanoic acid (PFNA)	2020/05/21	106	70 - 130	96	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorooctanesulfonic acid (PFOS)	2020/05/21	104	70 - 130	97	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorooctanoic acid (PFOA)	2020/05/21	101	70 - 130	92	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorotetradecanoic acid (PFTEDA)	2020/05/21	100	70 - 130	91	70 - 130	ND, RDL=1.0	ug/kg	NC	30
6731906	Perfluorotridecanoic acid (PFTTDA)	2020/05/21	99	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30



BUREAU
VERITAS

BV Labs Job #: C0C0490

Report Date: 2020/05/22

Firefly Sports Testing

QUALITY ASSURANCE REPORT(CONT'D)

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
6731906	Perfluoroundecanoic acid (PFUnA)	2020/05/21	102	70 - 130	93	70 - 130	ND, RDL=1.0	ug/kg	NC	30
<p>Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.</p> <p>Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.</p> <p>Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.</p> <p>Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.</p> <p>NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).</p>										



BV Labs Job #: COC0490
Report Date: 2020/05/22

Firefly Sports Testing

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink, appearing to read 'Sin Chii Chia', written over a horizontal line.

Sin Chii Chia, Scientific Services

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



April 5, 2020

Schmitz Foam Products
188 Treat Ave.
Coldwater, MI 49036
517-781-6620

re: Statement of Sustainability

To Whom it Concerns:

Environmental awareness is a major focus for Schmitz Foam Products.

Since 1990 all Schmitz ProPlay® products have been manufactured from 100% recycled closed cell cross linked polyethylene foam remnants. These remnants are collected from foam manufacturers and fabricators in many different industries, serving to keep them out of the traditional waste stream of landfills and incinerators.

All Schmitz ProPlay® products can be collected and 100% recycled at the end of their useful lifespan into the same or similar products.

An overview of our processes can be found at www.xperecycling.com.

Sincerely,

Allen Hubbard

Allen Hubbard
National Sales Manager
Schmitz Foam Products
413-575-7993
a.hubbard@schmitzfoam.com

Certificate

Limited Product and Performance Warranty for ProPlay-Sport

The logo for ProPlay, featuring the word "Pro" in white on a yellow square background, followed by "Play" in black on a white background.

ProPlay

by Schmitz Foam Products

Part 1.

Schmitz Foam Products ("Schmitz") warrants to the owner of the sports field or fields, at which the ProPlay-Sport product ("Products") have been originally installed, ("Owner") that the Products are warranted against warping, breaking, tearing and splitting under normal and proper use as an underlayment for an artificial turf sports surface and shall be free from defects in material and workmanship for a period of twenty-five (25) years after the date of installation ("Warranty Period").

Schmitz also warrants that the Products will continue to act as a shock absorbing and draining layer during the Warranty Period, as long as the Products are not subjected to compressive stresses in excess of 40 psi or 25 N/cm² for short time frames (e.g. installation and/or maintenance equipment driving over the surface) and 20 psi or 12½ N/cm² for longer time frames (e.g. installation and/or maintenance equipment parked on the surface).

Schmitz also warrants that the average force reduction of the Products will stay within 10% *relative* (as per Advanced Artificial Athlete) and that the rain water infiltration rate (as per EN 12616) will be at least 1,800 mm per hour, during the Warranty Period.

Schmitz also warrants that the impact attenuation of the field will stay below 165 [Gmax] *if the field is tested below 120 [Gmax] at installation* (as per ASTM F355 A-missile), and that the shock absorption of the field will stay above 50% *if the field is tested above 60% at installation* (as per Advanced Artificial Athlete or EN 14808), during the warranty period of the artificial turf, when properly installed and maintained.

Schmitz will indemnify, defend (with counsel of Schmitz's choice or Schmitz's insurance carrier's choice) and hold harmless the owner against any loss, liability or claim arising from breach of the warranty, to the extent set forth below. If Schmitz determines that any Products do not conform to this Warranty, Schmitz shall deliver to the Owner new Products to replace the non-conforming Products. Schmitz will arrange for installation of such Products, including the temporary removal and repair or replacement of the artificial turf and infill over the affected area. Schmitz shall have reasonable discretion as to whether to repair or make replacement of the artificial turf. Owner shall give Schmitz reasonable advance notice of replacement of the entire turf surface (for reasons other than breach of Schmitz's Warranty) so that a Schmitz representative will be present at the time of turf replacement to inspect the Products for lack of damage which would void the Warranty. The Warranty will not continue in effect after turf replacement if such notice is not given.

Restrictions

This Limited Product Warranty ("Warranty") shall be effective only if (1) the Owner signs and returns this warranty to Schmitz within thirty (30) days of installation of the Products; (2) the Owner gives Schmitz written notice of a claim under this Warranty within thirty (30) days after the Owner discovers, or should have discovered the existence of the condition that gives rise to the claim, and (3) Schmitz has been provided the opportunity to inspect the Products (in place as originally installed) subject to a claim, within ten (10) days after the written notice set forth under (2) above.

Exclusions

This Warranty shall not apply to any Products which have once been installed and thereafter removed to a new location.

Notwithstanding anything to the contrary in this Warranty, any damage or defect resulting in whole or in part from any of the following causes is NOT covered by this Warranty:

1. Normal wear and tear;
2. Improper handling or use of Products after delivery to the job site, including, but not limited to imposition of excessive compressive stresses or warping, breaking, tearing and splitting or improper cutting of Products during the installation process;
3. Improper or inadequate site preparation including, without limitation improper or inadequate base material, improper or inadequate base material grading or compaction; improper material usage in perimeter drain collectors; or improper design or installation of drainage facilities or field edging that would impede drainage;
4. Improper installation of Products, including, without limitation, failure to comply with Schmitz's installation instructions;
5. Floods, fires, winds, lightning, accident, vandalism, terrorism, war, malicious mischief, or other causes outside the control of Schmitz;
6. Improper use or protection after installation, including, without limitation, imposition of excessive compressive stresses or cutting of Products by any cause after installation;
7. Soil expansion or contraction, subsidence, shifting, compression, erosion or any other condition related to the soil, base or subsurface upon which the Products are installed;
8. Improper installation, maintenance, repair or replacement of the field's artificial turf system;
9. Extended exposure of the Products to sunlight or other source of ultraviolet light;
10. Schmitz makes no warranty regarding the drainage of the field as a system, and shall not be responsible for the drainage of the field unless the ProPlay-Sport product is the cause of a non-draining system.

Disclaimer

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, CONCERNING THE PURCHASE, USE OR CONDITION OF ANY PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUALITY OR CONFORMITY WITH ANY DESCRIPTION OR SAMPLE. EXCEPT AS SET FORTH IN THIS WARRANTY, ALL WARRANTIES, REPRESENTATIONS, CONDITIONS AND OTHER TERMS IMPLIED BY LAW ARE EXCLUDED TO THE FULLEST EXTENT PERMITTED BY LAW.

Limitation of Damages

OWNER'S EXCLUSIVE REMEDY FOR ANY AND ALL LIABILITIES, LOSSES, DAMAGES, COSTS AND EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE PURCHASE, USE OR CONDITION OF ANY PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR STRICT LIABILITY, OR ANY ALLEGATION THEREOF, SHALL BE LIMITED TO REPLACEMENT OF THE PRODUCTS FOR WHICH A CLAIM IS MADE AND PROVED AND REPAIR OR REPLACEMENT OF OVERLYING ARTIFICIAL TURF. IN NO EVENT SHALL SCHMITZ BE LIABLE FOR ANY PUNITIVE, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT LOSSES OR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PURCHASE, USE OR CONDITION OF ANY PRODUCTS, INCLUDING, BUT NOT LIMITED TO, LOSS OF USE OF ANY PLAYING FIELD.

No person other than the Owner and Schmitz shall have any rights to enforce any term of this Warranty. Schmitz shall be permitted to assign any obligations and limitations under this Warranty, without the prior consent of Owner, to any purchaser of substantially all of the assets of Schmitz or to any financially responsible party in connection therewith.

If Owner is located in North America and/or the Products were supplied by Schmitz Foam Products LLC this Warranty will be governed by the laws of the State of New York and all disputes or claims arising out of or related to this Warranty or the contract or contracts related to the sale and/or installation of the Products shall be resolved by arbitration pursuant to the rules and procedures of the Construction Industry Division of the American Arbitration Association under its Construction Industry Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered by any court having jurisdiction thereof. Place of arbitration will be New York, New York.

If Owner is located outside of North America and the Products were supplied by Schmitz Foam Products B.V., this Warranty will be governed by the laws of The Netherlands and all disputes or claims arising out of or related to this Warranty or the contract or contracts related to the sale and/or installation of the Products shall be resolved by in accordance with the Arbitration Rules of the Netherlands Arbitration Institute and judgment on the award rendered by the arbitrator(s) may be entered by any court having jurisdiction thereof. The proceedings shall be conducted in the English language and the place of Arbitration will be Rotterdam, The Netherlands.

In the event of the arbitration (or litigation) of any dispute, the prevailing party on any claim shall be paid the prevailing party's reasonable attorney's fees, expert witness fees, and other costs associated with the particular claim.

Company (Owner)

Contact name

Date

Place

Signature

Part 2.

PROJECT	
project name street zip code city state country	
SCHMITZ FOAM PRODUCTS CUSTOMER	
company name street zip code city state country contact person name phone email	
PROPLAY-SPORT INSTALLER	
company name street zip code city state country contact person name phone email	

MAIN CONTRACTOR	
company name	
street	
zip code	
city	
state	
country	
contact person	
name	
phone	
email	
OWNER	
company name	
street	
zip code	
city	
state	
country	
contact person	
name	
phone	
email	
USE	
sport(s) (type)	

CONSTRUCTION DETAILS**sub-base**

construction:
(permeable or impermeable, with or without liner, ...)

material(s):

date of start of installation:

date of end of installation:

ProPlay-Sport

type:

installed amount:

date of start of installation:

date of end of installation:

artificial turf

brand & type:

pile height:

date of start of installation:

date of end of installation:

infill

type(s):

weight per unit area (or filled height):
per type

date of start of installation:

date of end of installation:

test results
add lab test results (if available) !
add field test results (if available) !

comments:

Company (Customer)

Contact name

Date

Place

Signature

ProPlay[®]

by Schmitz Foam Products



ProPlay[®]-Sport

Reference Book USA and Canada



Project Name	City	State	Country	Year	Application	F ²	Product
Asphalt Green NYC	NYC	NY	US	2019	multi sport	90,589	ProPlay-Sport20
Coastal FC	Surrey	BC	CA	2019	soccer	33,745	ProPlay-Sport23D
Albion Riverside Park	Los Angeles	CA	US	2019	soccer	75,393	ProPlay-Sport23D
Kirkwood High School MO	Meriden	KS	US	2019	multi sport	95,553	ProPlay-Sport20
King Louie Sports	Louisville	KY	US	2019	multi sport	16,132	ProPlay-Sport20
Carbondale High School	Carbondale	IL	US	2019	multi sport	96,794	ProPlay-Sport20
Bartlesville OK	Bartlesville	OK	US	2019	multi sport	95,553	ProPlay-Sport20D
GJ Fire Soccer Club	Grand Junction	CO	US	2019	soccer	15,131	ProPlay-Sport20
Smith River Playground	Axton	VA	US	2019	playground	9,144	ProPlay-25
Gallup High School Practice Field	Gallup	NM	US	2019	multisport	74,021	ProPlay-Sport23D
Chase Bank Field- AZ Diamondbacks	Phoenix	AZ	US	2019	baseball	107,962	ProPlay-Sport20
Lincoln Rec Center	Cincinnati	OH	US	2019	multi sport	8,687	ProPlay-Sport20
LA Galaxy Salvation	Los Angeles	CA	US	2019	soccer	28,019	ProPlay-Sport20
Crossroads Church	Parker	CO	US	2019	multipurpose	3,048	ProPlay-EcoSport
Stevenson School	Pebble Beach	CA	US	2019	multi sport	85,016	ProPlay-Sport20D
Bronxville Union Free High School	Bronxville	NY	US	2019	multi sport	106,721	ProPlay-Sport20
Scheu Family YMCA of Upland	Upland	CA	US	2019	multi sport	12,845	ProPlay-Sport20
Centennial Montessori School	Englewood	CO	US	2019	multipurpose	1,372	ProPlay-MP
Soccer Central	Franklin	TN	US	2019	soccer	356,718	ProPlay-Sport20D
Louisburg High School KS	Louisburg	KS	US	2019	multi sport	100,582	ProPlay-EcoSport
Maple Ridge	Vancouver	BC	CA	2019	soccer	202,514	ProPlay-Sport23D
Linden Park	Brooklyn	NY	US	2019	soccer	79,682	ProPlay-Sport20
Day of Service 5 sided soccer	Covington	KY	US	2019	soccer	4,964	ProPlay-Sport20
West Orange Stark High School	West Orange	TX	US	2019	football	88,390	ProPlay-EcoSport
Michelle Obama Athletic Complex	Chicago	IL	US	2019	multi sport	121,286	ProPlay-Sport23D
Jack Bulik Park Adaptive Field	Fontana	CA	US	2019	baseball	20,682	ProPlay-Sport23D
Gardner High School Watkins Field	Gardner	MA	US	2019	multi sport	81,053	ProPlay-Sport23D
Kankakee Valley High School	Wheatfield	IN	US	2019	multi sport	105,916	ProPlay-EcoSport
Steadman Hawkins	Englewood	CO	US	2019	multi purpose	18,331	ProPlay-EcoSport
Portage Football	Portage	MI	US	2019	Football	99,842	ProPlay-Sport23D
Caito Field	North Scituate	RI	US	2019	multi sport	92,527	ProPlay-Sport23D
Rivergreen Playground	Everett	MA	US	2019	multipurpose	80,770	ProPlay-EcoSport
US Bank Stadium MN	Minneapolis	MN	US	2019	Football	138,986	ProPlay-Sport20
Plainfield High School IN	Plainfield	SC	US	2019	multi sport	96,010	ProPlay-EcoSport
George Rogers Clark High School	Winchester	KY	US	2019	multi sport	82,403	ProPlay-EcoSport
Hambley Indoor KY	Pikeville	KY	US	2019	multi sport	11,974	ProPlay-Sport23
Portage Soccer	Portage	MI	US	2019	soccer	94,356	ProPlay-Sport23D
Kellogsville High School MI	Grand Rapids	MI	US	2019	multi sport	95,553	ProPlay-Sport20
Veterans Memorial Stadium	Erie	IL	US	2019	multi sport	11,169	ProPlay-Sport20
Cypress Hill	Brooklyn	NY	US	2019	soccer	129,058	ProPlay-Sport20
Astoria Park	Astoria	NY	US	2019	soccer	90,611	ProPlay-Sport20
Santa Teresa High School	San Jose	CA	US	2019	multi sport	87,280	ProPlay-Sport20D
Ann Arbor Pioneer	Ann Arbor	MI	US	2019	multi sport	86,866	ProPlay-Sport20D

US Reference List

Project Name	City	State	Country	Year	Application	F ²	Product
Tallmadge High School 2019	Tallmadge	OH	US	2019	multi sport	80,770	ProPlay-EcoSport
Carrol High School OH	Dayton	OH	US	2019	multi sport	93,071	ProPlay-Sport20
Ann Arbor Skyline	Ann Arbor	MI	US	2019	multi sport	94,312	ProPlay-Sport20D
Cal Mum CSD	Caledonia	NY	US	2019	multi sport	106,678	ProPlay-Sport23D
Livonia Stevenson High School	Livonia	MI	US	2019	multi sport	91,830	ProPlay-Sport20
University School OH	Hunting Valley	OH	US	2019	multi sport	105,154	ProPlay-EcoSport
Royal Oak Schools	Royal Oak	MI	US	2019	football	93,071	ProPlay-Sport20D
Queens Univ Tindall	Kingston	ON	CA	2019	multi sport	91,133	ProPlay-Sport23D
Holly Park	Surrey	BC	CA	2019	soccer	167,637	ProPlay-Sport23D
Livonia Franklin	Livonia	MI	US	2019	multi sport	93,071	ProPlay-Sport23
City Line Park	Brooklyn	NY	US	2019	multi sport	8,708	ProPlay-Sport23D
Cypress Hill	Brooklyn	NY	US	2019	multi sport	1,524	ProPlay-Sport20
Spalding University	Lexington	KY	US	2019	soccer	96,794	ProPlay-Sport20
Susquehannock High School E/W	Glen Rock	PA	US	2019	multi sport	162,564	ProPlay-Sport20
PWC-Woodbridge High School	Woodbridge	VA	US	2019	multi sport	97,970	ProPlay-Sport23D
Unity High School	Tolono	IL	US	2019	multi sport	105,480	ProPlay-Sport20
West Kelowna BC	West Kelowna	BC	CA	2019	soccer	39,710	ProPlay-Sport20
JimTown High School	Elkhart	IN	US	2019	multi sport	95,553	ProPlay-Sport23
Shaw-Bristol PA Eco	Bristol	PA	US	2019	football	88,390	ProPlay-EcoSport
FH Collins	Yukon	NWT	CA	2019	multi sport	101,235	ProPlay-Sport23D
St James Academy KS	Lenexa	KS	US	2019	football	104,240	ProPlay-Sport20
Mt Vernon IN	Mount Vernon	IN	US	2019	football	82,294	ProPlay-EcoSport
Dearborn High School Main	Dearborn	MI	US	2019	multi sport	94,312	ProPlay-Sport20
Simon Kenton High School KY	Independence	KY	US	2019	multi sport	79,421	ProPlay-Sport23
PWC-SJHigh School	Manassas	VA	US	2019	multi sport	97,970	ProPlay-Sport23D
Cook Stadium	Terre Haute	IN	US	2019	football	90,350	ProPlay-Sport23
Bill Crothers Soccer	Granby	QC	CA	2019	soccer	85,429	ProPlay-Sport20
Spalding field 2	Louisville	KY	US	2019	soccer	95,553	ProPlay-Sport20
Brookville High School OH	Brookville	OH	US	2019	multi sport	97,970	ProPlay-EcoSport
Horse Arena	Auburn	NY	US	2019	equestrian	4,354	ProPlay-Sport23D
Dearborn High School Practice	Dearborn	MI	US	2019	multi sport	49,398	ProPlay-Sport20
VB court Dallas TX	Heath	TX	US	2019	volleyball	3,723	ProPlay-Sport20
Wyoming High School MI	Wyoming	MI	US	2019	multi sport	126,490	ProPlay-EcoSport
Kroc Center - Dayton	Dayton	OH	US	2019	multi sport	93,071	ProPlay-Sport20
Heath High School OH	Louisville	KY	US	2019	multi sport	79,464	ProPlay-Sport20
Witter Rugby Field	Berkely	CA	US	2019	rugby	115,822	ProPlay-EcoSport
UBC Warren	Vancouver	BC	CA	2019	soccer	104,501	ProPlay-Sport23D
Plummers Xtra Field	Edwardsville	IL	US	2019	baseball	48,767	ProPlay-EcoSport
MET LIFE STADIUM	East Rutherford	NJ	US	2019	multipurpose	4,964	ProPlay-Sport20
DeFazio and Memorial Fields	Needham	MA	US	2019	multi sport	276,731	ProPlay-Sport20D
Hugh Boyd Park	Richmond	BC	CA	2019	soccer	234,539	ProPlay-Sport20
Schlegel Park	Granby	QC	CA	2019	multi sport	147,673	ProPlay-Sport20
Ontario Project	Etobicoke	ON	CA	2019	Multi sport	91,830	ProPlay-Sport20D

Project Name	City	State	Country	Year	Application	F ²	Product
Jacksonville Pulaski High School	Jacksonville	AR	US	2019	multi sport	102,324	ProPlay-Sport23D
Sherbrooke University	Sherbrooke	QC	CA	2019	multi sport	21,096	ProPlay-Sport20
College Brebeuf	Toronto	ON	CA	2019	multi sport	21,096	ProPlay-Sport20
Macinnes	Langley	BC	CA	2019	multi sport	9,797	ProPlay-Sport23D
ESPN Orlando FL	Kissimmee	FL	US	2019	multi purpose	13,650	ProPlay-Sport20
Willoughby fields	Langley	BC	CA	2019	multi sport	97,534	ProPlay-EcoSport
Barnstable 23D	Hyannis	MA	US	2019	multi sport	133,892	ProPlay-Sport23D
Palmyra MO	Palmyra	MO	US	2019	playground	3,483	ProPlay-55
Palisades DC	Washington	DC	US	2019	multisport	40,276	ProPlay-Sport23
Plummer Sports Park	Edwardsville	IL	US	2019	soccer	306,492	ProPlay-EcoSport
Urban Soccer Park	Boise	ID	US	2019	soccer	34,834	ProPlay-Sport23D
Volleyball Court	Sherwood	OR	US	2019	volleyball	4,964	ProPlay-Sport20
Bill Crothers Football	Granby	QC	CA	2019	soccer	106,025	ProPlay-Sport20
Hollis Brookline High School	Hollis	NH	US	2019	multi sport	100,517	ProPlay-Sport20D
Daycare	Springfield	MA	US	2019	rooftop playground	3,375	ProPlay-35
SAUGERTIES NY	Saugerties	NY	US	2019	Equestrian	9,797	ProPlay-Sport23D
Rue du Tricentenaire	L'Ange Gardien	QC	CA	2019	soccer	79,421	ProPlay-Sport20
Buenos Aires	Ascuncion		PY	2019	soccer	92,527	ProPlay-Sport23D
Goshen High School	Goshen	OH	US	2018	multi sport	78,441	ProPlay-Sport20
DeAnza College	Cupertino	CA	US	2018	football	9,797	ProPlay-Sport23D
Merkley Park	Maple Ridge	BC	CA	2018	soccer	85,495	ProPlay-Sport23D
John Handley High School- Handley Bowl	Winchester	VA	US	2018	multi sport	92,004	ProPlay-EcoSport
Bill Crothers Secondary School	Markham	ON	CA	2018	multi sport	75,088	ProPlay-Sport23
Bloomington High School	Bloomington	IL	US	2018	multi sport	78,005	ProPlay-Sport20
Adelphi University	Montville	NJ	US	2018	multi sport	105,480	ProPlay-Sport20
Thayer Academy	Newark	NJ	US	2018	field hockey	41,387	ProPlay-Sport23D
Minnesota Vikings Headquarters	Eagan	MN	US	2018	recreation	3,723	ProPlay-Sport20D
Southborough 9/11	Southborough	MA	US	2018	multi sport	83,622	ProPlay-Sport23D
Sea Girt Elem.	Sea Girt	NJ	US	2018	multi sport	9,296	ProPlay-Sport20D
Miracle League Field	St Petersburg	FL	US	2018	baseball	17,417	ProPlay-Sport23D
Castle Academy	Castle Rock	CO	US	2018	multi sport	12,214	ProPlay-EcoSport
CHCA Day of Service	Newtown	OH	US	2018	soccer	3,266	ProPlay-Sport23D
Libertyville Soccer	Libertyville	IL	US	2018	Soccer	142,273	ProPlay-Sport20
Crenshaw High School	Los Angeles	CA	US	2018	multi sport	89,392	ProPlay-Sport23D
Portage High School Football	Portage	MI	US	2018	football	98,405	ProPlay-Sport23D
Roy Wilkins Park	Jamaica	NY	US	2018	multi sport	88,499	ProPlay-Sport20
Jacobi Hospital Play Area	Bronx	NY	US	2018	playground	4,311	ProPlay-25
Parc MultiSports 1	St Jerome	QC	CA	2018	multi sport	12,192	ProPlay-55
Portage High School	Portage	MI	US	2018	soccer	98,470	ProPlay-Sport23D
Winchester High School- Ciarcia Field	Winchester	MA	US	2018	multi sport	122,767	ProPlay-Sport23D
Pingree School	Hamilton	MA	US	2018	soccer	91,569	ProPlay-Sport23D

Project Name	City	State	Country	Year	Application	F ²	Product
Westminster College Dumke Field	Salt Lake City	UT	US	2018	multi sport	101,692	ProPlay-EcoSport
Bellarmine U	Louisville	KY	US	2018	multi sport	86,866	ProPlay-Sport20
Sacred Heart	San Francisco	CA	US	2018	multi sport	31,568	ProPlay-Sport23D
Proj. Burnaby/Surrey	Burnaby	BC	CA	2018	multi sport	134,980	ProPlay-Sport23D
Tipp City Stadium	Tipp City	OH	US	2018	multi sport	82,294	ProPlay-EcoSport
Williston Northampton	Easthampton	MA	US	2018	multi sport	97,665	ProPlay-EcoSport
Brandeis University	Waltham	MA	US	2018	soccer	86,736	ProPlay-Sport20D
McCarren Park	Brooklyn	NY	US	2018	soccer	107,919	ProPlay-Sport20
Beaver Creek High School	Dayton	OH	US	2018	multi sport	78,441	ProPlay-Sport20
Trent University	Peterborough	ON	CA	2018	multi sport	119,131	ProPlay-Sport20
Lincoln High School	Stockton	CA	US	2018	multi sport	87,019	ProPlay-Sport20D
Columbus North High School	Columbus	IN	US	2018	multi sport	94,268	ProPlay-EcoSport
Westerville C High School	Westerville	OH	US	2018	multi sport	83,426	ProPlay-Sport20
Skagit Valley	Mt Vernon	WA	US	2018	soccer	97,534	ProPlay-EcoSport
Miami Trace High School	Washington Court House	OH	US	2018	multi sport	71,256	ProPlay-Sport20
Steamboat Springs High School	Steamboat Springs	CO	US	2018	multi sport	91,569	ProPlay-MP
Eckersall Stadium	Chicago	IL	US	2018	football	76,307	ProPlay-Sport23
East Cooper Regional	Mt Pleasant	SC	US	2018	multi sport	88,390	ProPlay-EcoSport
Boston College High School Stadium	Dorchester	MA	US	2018	multi sport	80,662	ProPlay-Sport23D
Lockport Football	Lockport	NY	US	2018	football	77,069	ProPlay-EcoSport
Ossining CSD	Ossining	NY	US	2018	multi sport	118,129	ProPlay-EcoSport
Crossroads Juvenile Ctr	Brooklyn	NY	US	2018	multipurpose	936	ProPlay-55
Howell High School	Howell	MI	US	2018	multi sport	100,386	ProPlay-Sport23D
South Bend CS- School Field	South Bend	IN	US	2018	multi sport	87,933	ProPlay-EcoSport
Lincoln USD	Santa Ana	CA	US	2018	multi sport	3,723	ProPlay-Sport20D
Columbus East High School	Columbus	IN	US	2018	multi sport	101,083	ProPlay-EcoSport
Frank Principe Park	Maspeth	NY	US	2018	multi sport	154,400	ProPlay-Sport20
Cascade High School	Clayton	IN	US	2018	multi sport	91,025	ProPlay-EcoSport
Boulder City	Boulder City	NV	US	2018	multi sport	76,612	ProPlay-Sport20D
The Harker School	San Jose	CA	US	2018	multi sport	79,464	ProPlay-Sport23D
Thomas Star King MS	Los Angeles	CA	US	2018	multi sport	70,865	ProPlay-Sport23D
Livonia Churchill High School Larry Joiner Field	Livonia	MI	US	2018	multi sport	96,859	ProPlay-Sport20
East Central High School	St Leon	OH	US	2018	multi sport	94,878	ProPlay-EcoSport
North Colonie CSD_ Arthur Walker Field	Latham	NY	US	2018	multi sport	78,615	ProPlay-EcoSport
Sherwood Forest Park	Burlington	ON	CA	2018	soccer	81,903	ProPlay-Sport20
Bloom High School- Sarff Field	Chicago Heights	IL	US	2018	multi sport	95,205	ProPlay-EcoSport
Franklin Community	Indianapolis	IN	US	2018	multi sport	99,058	ProPlay-EcoSport
Coopersville High School	Coopersville	MI	US	2018	multi sport	83,514	ProPlay-Sport23D
Maddox Elementary	Englewood	CO	US	2018	multipurpose	4,115	ProPlay-MP
MSU IM	East Lansing	MI	US	2018	multipurpose	16,132	ProPlay-Sport20
Project Langley (I)	Langley	BC	CA	2018	soccer	85,342	ProPlay-EcoSport

US Reference List

Project Name	City	State	Country	Year	Application	F ²	Product
Newark High School	Newark	NY	US	2018	multi sport	183,508	ProPlay-EcoSport
Kewaskum High School	Kewaskum	WI	US	2018	multi sport	92,026	ProPlay-Sport20
Fishers High School	Fishers	IN	US	2018	multi sport	99,058	ProPlay-EcoSport
Hamilton SE High School	Fishers	IN	US	2018	multi sport	89,914	ProPlay-EcoSport
Upper Arlington	Upper Arlington	OH	US	2018	multi sport	84,907	ProPlay-Sport23
Port Byron	Port Byron	NY	US	2018	multi sport	112,469	ProPlay-EcoSport
LA Valley CC	Valley Glen	CA	US	2018	football	101,627	ProPlay-Sport20D
BYU Idaho	Rexburg	ID	US	2018	multi sport	93,506	ProPlay-Sport20D
Hood River High School	Hood River	OR	US	2018	multi sport	92,897	ProPlay-EcoSport
Surrey City Fields	Surrey	BC	CA	2018	soccer	108,855	ProPlay-Sport23D
Tozer Elementary	Windsor	CO	US	2018	multi purpose	18,636	ProPlay-Sport20D
Shelton High School Finn Stadium	Shelton	CT	US	2018	multi sport	99,515	ProPlay-Sport23D
Steinmetz College	Chicago	IL	US	2018	multi sport	93,528	ProPlay-Sport23
Haverford School	Haverford	PA	US	2018	multi sport	99,276	ProPlay-Sport20D
Ladue Horton Watkins	Ladue	MO	US	2018	football	107,745	ProPlay-EcoSport
North Branch High School	North Branch	MN	US	2018	multi sport	91,961	ProPlay-EcoSport
Estadio Santos de Guapiles	Guapiles		CR	2018	soccer	89,348	ProPlay-Sport20D
Mississagua Courtney	Mississagua	ON	CA	2018	multi sport	102,999	ProPlay-Sport20
Watkins Glen Stadium	Watkins Glen	NY	US	2018	multi sport	94,486	ProPlay-EcoSport
Gaylord MI	Gaylord	MI	US	2018	multi sport	98,187	ProPlay-EcoSport
Pearl River High School	Pearl River	NY	US	2018	multi sport	82,730	ProPlay-Sport20
Infinity Park	Glendale	CO	US	2018	rugby	96,903	ProPlay-Sport20
Tyngsborough High School	Tyngsborough, MA	MA	US	2018	multi sport	80,553	ProPlay-Sport23D
Hillside Knoll Trail	Needham	MA	US	2018	multipurpose	9,797	ProPlay-Sport23D
Hillcrest Baptist	New Albany	MS	US	2018	playground	1,350	ProPlay-35
Project Terrebonne	Terrebonne	QC	CA	2018	multi sport	79,421	ProPlay-Sport20
Cairo Playground Pad	Cairo	MO	US	2018	playground	14,804	ProPlay-35
Whistler	Whistler	BC	CA	2018	soccer	101,235	ProPlay-Sport23D
Pagosa Elementary	Englewood	CO	US	2018	multipurpose	2,177	ProPlay-Sport23D
Joy of the People	Minneapolis	MN	US	2018	soccer	12,409	ProPlay-Sport20
Project Peru			Py	2018	soccer	246,948	ProPlay-Sport20
Gotsch Elementary	St. Louis	MO	US	2018	playground	5,486	ProPlay-25
Surrey City Fields	Surrey	BC	CA	2018	soccer	7,620	ProPlay-Sport23D
Weaver High School	Hartford	CT	US	2018	multi sport	96,881	ProPlay-Sport23D
Proj. Mississauga II	Mississauga	ON	CA	2018	multi sport	200,598	ProPlay-Sport20
Homeless World Cup	Mexico City		MX	2018	soccer	20,574	ProPlay-EcoSport
WPI Softball infield	Worcester	MA	US	2018	softball	9,797	ProPlay-EcoSport
Loma Vista School	Chico	CA	US	2018	playground	6,967	ProPlay-55
Tiverton Longplex	Tiverton	RI	US	2018	multi sport	42,519	ProPlay-EcoSport
Monash University	Melbourne		AU	2018	multi sport	297,827	ProPlay-Sport20
Randalls Island	New York City	NY	US	2018	multi sport	172,492	ProPlay-Sport20
Ossining Middle School	Ossining	NY	US	2018	multi sport	88,107	ProPlay-EcoSport
Loveland High School Ohio	Loveland	OH	US	2018	multi sport	86,866	ProPlay-Sport20

US Reference List

Project Name	City	State	Country	Year	Application	F ²	Product
BYU Hawaii	Laie	HI	US	2018	multipurpose	29,783	ProPlay-Sport20
Newtown Barge Park	Brooklyn	NY	US	2018	soccer	28,651	ProPlay-Sport20
Sports Force Parks	Vicksburg	MS	US	2018	multi sport	34,834	ProPlay-Sport23D
James lick High School	San Jose	CA	US	2018	multi sport	91,003	ProPlay-Sport20D
Adelphi University NY	Montville	NJ	US	2018	multi sport	101,758	ProPlay-Sport23D
Yerba Buena High School	San Jose	CA	US	2018	multi sport	98,122	ProPlay-Sport20D
Salt River Fields- AZ Diamondbacks	Scottsdale	AZ	US	2018	baseball	99,276	ProPlay-Sport20
Eastside USD Piedmont	San Jose	CA	US	2018	multi sport	85,081	ProPlay-Sport20D
Eastside USD Andrew Hills	San Jose	CA	US	2018	multi sport	99,733	ProPlay-Sport20D
EastSide USD Oak Grove	San Jose	CA	US	2018	multi sport	100,190	ProPlay-Sport20D
Andrew Jackson Youth Police Camp	Mt. Juliet	TN	US	2017		14,032	ProPlay-Sport20
Bronxville UFSD	Bronxville	NY	US	2017		82,028	ProPlay-Sport23D
Como High School	Minneapolis	MN	US	2017		90,074	ProPlay-EcoSport
Freedom High School	Woodbridge	VA	US	2017		72,561	ProPlay-Sport23D
Harlem RBI Patterson Park	New York City	NY	US	2017		40,236	ProPlay-Sport20D
Hope College	Holland	MI	US	2017		104,937	ProPlay-Sport20
Merrimack College	North Andover	MA	US	2017		90,395	ProPlay-Sport20
Merrimack College	North Andover	MA	US	2017		91,245	ProPlay-Sport23D
Mississauga- 4 Fields	Mississauga	ON	US	2017		321,426	ProPlay-Sport20
Mt. San Jacinto College	San Jacinto	CA	US	2017		120,000	ProPlay-EcoSport
Portage High School	Portage	MI	US	2017		93,100	ProPlay-Sport23D
Sydney Hutchinson Park Challenger Field	Walker	LA	US	2017		11,900	ProPlay-Sport23D
Thayer Academy	Braintree	MA	US	2017		77,063	ProPlay-EcoSport
TitleTown District-Lambeau Field	Green Bay	WI	US	2017		3,270	ProPlay-Sport23D
Andover High School	Andover	MA	US	2016		92,634	
Beachwood High School	Beachwood	OH	US	2016		78,469	
College Hall	Wayne	NJ	US	2016		95,885	
CPP Sports Park	Sandusky	OH	US	2016		2,424	
Greenwich High School	Greenwich	CT	US	2016		95,799	
Ipswich High School	Ipswich	MA	US	2016		8,511	
Irondale High School Stadium	New Brighton	MN	US	2016		99,179	
Irvington MS/High School	Irvington	NY	US	2016		80,557	
Laytonia Recreational Park	Gaithersburg	MD	US	2016		102,159	ProPlay 23D
McCarthy Field	Salt Lake City	UT	US	2016		88,124	
Mission Park	Spokane	WA	US	2016		14,168	ProPlay 23D
Nyack Stadium Field	Nyack	NY	US	2016		90,190	
Oregon Episcopal School	Portland	OR	US	2016		61,912	
Oyster River High School	Durham	NH	US	2016		92,613	
Paul Kolbert Playground	New York City	NY	US	2016		14,058	
Souhegan High School	Amherst	NH	US	2016		80,869	
Stevens Field	Olympia	WA	US	2016		14,369	ProPlay 20
Tantasqua School District	Fiskdale	MA	US	2016		8,328	

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Tantasqua School District	Fiskdale	MA	US	2016		88,361	
Thayer Academy	Braintree	MA	US	2016		158,025	
Umass - Dartmouth Cressy Field	N. Dartmouth	MA	US	2016		92,763	
Battle Mountain Junior High School	Battle Mountain	NV	US	2015		83,173	
Danbury High School	Danbury	CT	US	2015		187,152	
Foothill De Anza Football	Los Altos Hills	CA	US	2015		97,413	
John Ferraro Athletic field	Los Angeles	CA	US	2015		23,799	
Mounds View High School	Arden Hills	MN	US	2015		105,293	
New York High School	New York	NY	US	2015		12,174	
Providence College Anderson Field	Providence	RI	US	2015		100,535	
Providence College Glay Field	Providence	RI	US	2015		27,717	
Providence College II	Providence	RI	US	2015		110,901	
RAB @ Central Parks	Fremont	CA	US	2015		179,757	
Westside Middle School	Danbury	CT	US	2015		83,173	
Woodlands Township II	The Woodlands	TX	US	2015		279,636	
Clover High School	Clover	SC	US	2014		80,719	
Clover High School	Clover	SC	US	2014		183,417	
Saginaw valley State University	Saginaw	MI	US	2014		55,692	
Town Centre Park	Port Coquitlam	BC	CA	2014		148,542	
University of Colorado	Colorado Springs	CO	US	2014		85,121	
Boise	Boise	ID	US	2013		1,938	
City of Merced-McNamara Park	Merced	CA	US	2013		122,655	
Connors Park	San Marcos	CA	US	2013		74,981	
Dixie Canyon Community	Sherman Oaks	CA	US	2013		8,611	
Manhattan Beach	Los Angeles	CA	US	2013		7,539	
Providence College	Providence	RI	US	2013		101,644	
Richmond Kickers	Richmond	VA	US	2013		109,006	
Tatum Eagles	Tatum	TX	US	2013		28,341	
U.S. Army Garrison	Fort Huachuca	AZ	US	2013		17,782	
Bush Terminal	New York	NY	US	2012		161	
De Anza College	Cupertino	CA	US	2012		86,639	
Escondido Sports Center	Escondido	CA	US	2012		2,001	
Soundview Service Co	New York	NY	US	2012		80,998	
South Region High School #7	Los Angeles	CA	US	2012		8,102	
Woodlands Township	The Woodlands	TX	US	2012		545,268	
Carson Senior High School	Carson	CA	US	2011		79,448	
Chelsea Park, Manhattan	New York	NY	US	2011		48,674	
Corlears Hook Park Manhattan	New York	NY	US	2011		36,253	
El Oso Park	Gilbert	AZ	US	2011		15,995	
Garfield Park - Google	Mountain View	CA	US	2011		46,209	
Greenfield Sports Academy	Memphis	TN	US	2011		9,741	
LAUSD#15 SR High School	San Pedro	CA	US	2011		105,024	
El Camino Real High School	Woodland Hills	CA	US	2010		97,673	

US Reference List

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I.I. Nelson Field	Austin	TX	US	2007		86,111	
Malone Stadium	Monroe	LA	US	2007		100,702	
Michael-Ann Russel Jewish Centre	Miami	FL	US	2007		72,613	
Belton High School	Belton	TX	US	2005		86,111	
Harding University	Searcy	AR	US	2005		86,111	
Tatum Eagles	Tatum	TX	US	2005		86,111	

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