

**Advancing Fun Play
& Healthy Recreation
for Every Age and All
Abilities.**



March 3, 2025

Made in America Material Certification

This is to certify that within the meaning of the Build America, Buy America Act (BABAA) requirements under Title IX of the Infrastructure Investment and Jobs Act ("IIJA"), Pub. L. 177-58, the following list of SpectraTurf safety surfacing products all qualify under the BABAA as 1) at least 65% of the costs of the components of manufacture are purchased in the U.S., 2) no iron or steel are used in the products, and 3) they are all 100% manufactured in the United States of America.

Products:

SpectraPour
SpectraPour Supreme

If you need further assistance, please send your request to your SpectraTurf sales representative.

Sincerely,

Robert (Rob) Nissen
Corporate Counsel
RCN/dba



SpectraPour: Pour-in-Place Rubber Playground Surfacing

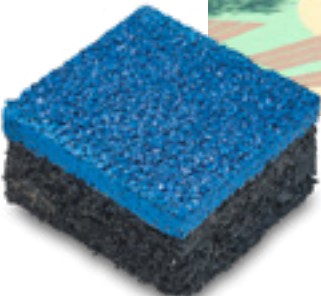


SpectraPour safety playground surfacing has been our flagship poured-in-place system since its inception in 1986. SpectraPour has been used on thousands of projects throughout the US at parks, schools, daycare centers, and other applications requiring a high quality, poured rubber safety surface. SpectraPour's pour-in-place installation and wide variety of colors allows us to create intricate and visually pleasing designs. This enhances any gathering space – hotel play areas, playgrounds, shopping centers, community centers – into a welcoming and friendly location. SpectraPour's shock-absorbing qualities make it ideal for safety surfaces at critical fall heights as well as comfortable for any walking or standing application.

SpectraPour is mixed on-site, and may be used to provide ADA access to existing playgrounds, to retrofit existing play areas, or to fill entire new playgrounds with quality rubber surfacing that stays in place during use.

SpectraPour System Data

- 2-layer system – mixed, poured & troweled on-site
 - Base layer of shock-absorbing rubber material
 - Half-inch-thick wearing surface of rubber granules
- Available in 20 colors (colors can be mixed)
- Create custom shapes and designs
- Porous system may be installed over Type 2 road base, concrete, or asphalt surfaces
- Typically used outdoors
- Conforms to ADA requirements
- IPEMA Certified
 - ASTM F1292 for head impact protection
 - ASTM F1951 for wheelchair accessibility
- Available for LEED® credits





IPEMA ASTM F3351-19E1 CERTIFICATE OF COMPLIANCE

ISSUE DATE: January 9, 2026
Requested By: Casandra Hove
Project: 2026 IPEMA Certificate

In the interest of public playground safety, IPEMA provides a third-party certification service whereby TÜV SÜD American uses this test method to determine the shock absorption properties of a playground surface at a specific impact height in order to evaluate a particular playground surfacing system using the g-max and HIC values described in Specification F1292.

The manufacturers listed below have received written validation from TÜV SÜD America that the products listed conform with the requirements of ASTM F-3351-19e1.

TÜV SÜD America validates that the impact attenuating performance criterion specified by ASTM F3351-19e1 has been met or exceeded.

MODEL #	COMMERCIAL NAME OF PRODUCT	PRODUCT LINE	THK/HT	MANUFACTURER
SP5	SpectraPour	SpectraPour Safety Surfacing	2" / 5'	SpectraTurf
SP6	SpectraPour	SpectraPour Safety Surfacing	2.5" / 6'	SpectraTurf
SP7	SpectraPour	SpectraPour Safety Surfacing	3" / 7'	SpectraTurf
SP8	SpectraPour	SpectraPour Safety Surfacing	3.5" / 8'	SpectraTurf
SP10	SpectraPour	SpectraPour Safety Surfacing	4.25" / 10'	SpectraTurf
SP12	SpectraPour	SpectraPour Safety Surfacing	5" / 12'	SpectraTurf

EPDM Granules

Create with Color

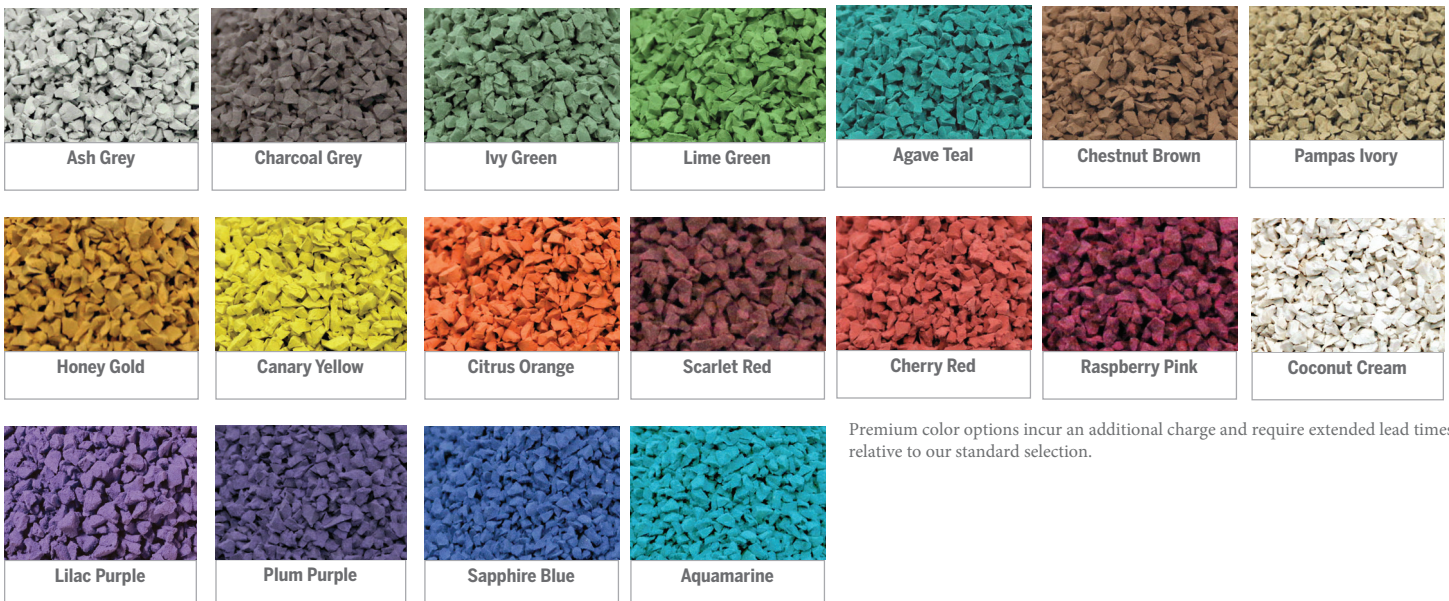
Typical Properties		Specifications		
Property	Results	Test Type	Test	Typical Results
Granule	Colored EPDM	Bulk Density	ASTM D1895	41 lbs/ft ³
Sizes	0.5 - 1.5mm 1.0 - 3.5mm	Hardness	ASTM D2240	60 +/- 5
Packaging	55 lb. poly bags (2,200 lbs. per skid) 2,000 lb. bulk tote bags	Specific Gravity	ASTM D792	1.55
Warranty SpectraTurf rubber products carry a limited warranty for defects in material and workmanship.		Elongation (at break)	ASTM D412	700%
		Tensile Strength	ASTM D412	400 PSI
		Moisture	ASTM D1509	1% max

Standard Colors



*Aliphatic Recommended

Premium Colors (Aliphatic Binder Recommended)



Premium color options incur an additional charge and require extended lead times relative to our standard selection.

Actual samples and final product may vary from color swatches shown.

50% Standard Color / 50% Black

1-3.5 mm EPDM Granules

50% Cobalt Blue
50% Black

50% Pewter Grey
50% Black

50% Sandstone Beige
50% Black



50% Inferno Red
50% Black

50% Shamrock
Green

50% Sky Blue
50% Black
*Aliphatic Binder
Recommended



Aromatic Binder



Aliphatic Binder
(UV Stable)

PIP BUFFINGS BLEND

PRODUCT DESCRIPTION

PIP BUFFINGS BLEND is used in the construction of the cushion layer in unitary safety surfacing systems.

PIP BUFFINGS BLEND consists of these materials: recycled SBR, pre-consumer or post-industrial non-tire polyurethane products, or reclaimed playground safety surfacing.

PIP BUFFINGS BLEND is produced through a state of the art recycling process that removes contaminants and produces a mixture of controlled sizes that are ideal for field manufactured poured in place rubber surfacing as well as compression molded rubber tiles produced in a factory environment.

-

Benefits

- ✓ **Non Toxic:** Certified Safe by UC Berkeley and The Corporation for Manufacturing Excellence
- ✓ **Environmentally Friendly:** reduces the number of waste tires disposed in land fills
- ✓ **Locally Produced:** Reduces green house gas emissions through reduced transportation and reduces freight costs.
- ✓ **Quality:** Consistent quality delivered through state of art recycling process

Packaging

50LB Bags or 2,000LB Sacks



SpectraPour Binder

Product Data Sheet



TOP & BOTTOM LAYERS

SpectraPour Binder is a high-performance 100% solids, aromatic, single component, moisture-curing, MDI based prepolymer polyurethane resin binder designed for use with rubber granules. It is specifically designed for application of poured-in-place playground and other sports surfacing using appropriate recycled rubber and EPDM granules. SpectraPour Binder does not support fungal growth.

SpectraPour Binder requires surface and ambient temperatures must be at least 45 deg. F. Do not apply over wet or damp surface. Do not mix or apply when rain is imminent or falling. Substrate must be free of dust, oil and grease. Ambient temperature and relative humidity are critical to product reaction. Consult SpectraTurf whenever conditions of very high or very low temperatures and/or very high or low relative humidity are present of anticipated.

Specifications

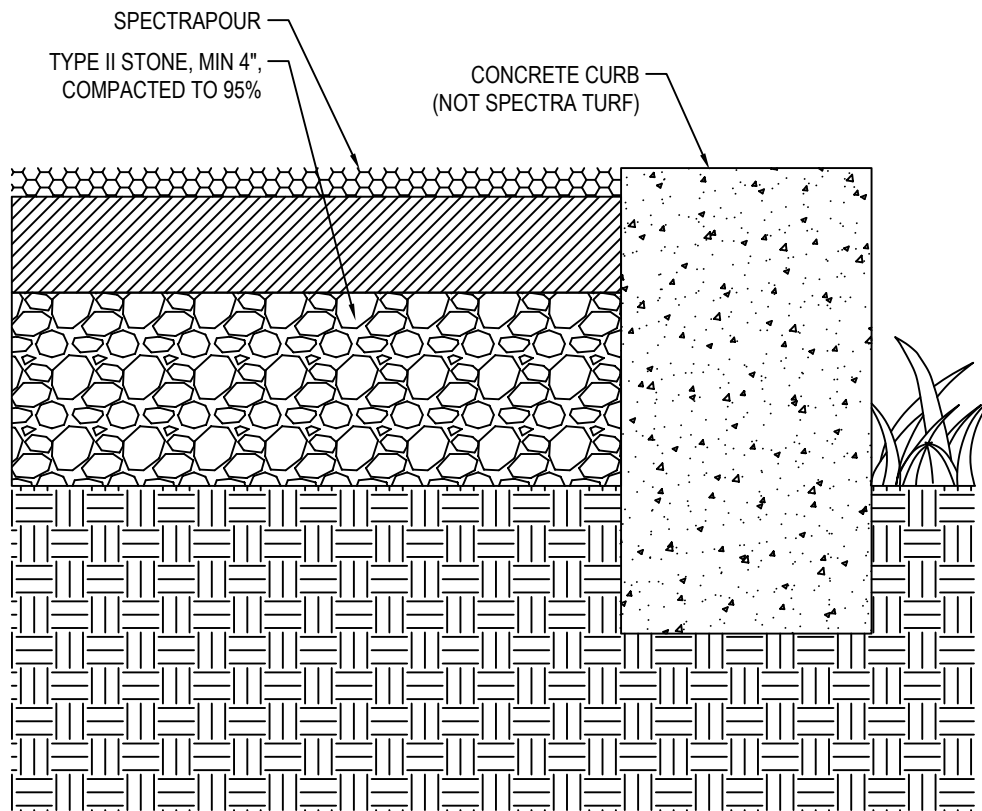
Appearance	Amber	Visual	Free NCO Content	7.5 / 8.5%
Density	approx. 1.1 g.cm ³ @ 20 degrees C		% Solids by weight	>99%
Viscosity, 25 deg. C	approx. 2,000 / 2,300		PH value	n/a
Setting point	-18 degrees C		Evaporation Rate	Not applicable
Initial Boiling Point	260 degrees		Vapor Density	(Air=1) Heavier than air
Solubility in water	Reacts		Explosive limits	n/a
Flash point	> 200 degrees C		Thermal decomposition	n/a
Flammability limits in air by volume	Lower - n/a	Upper - n/a	Specific Gravity	(H2O = 1) 1.00-1.102



SpectraTurf

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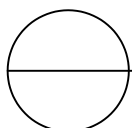
SPECTRATURF
555 S. PROMENADE AVE., #103
CORONA, CA 92879
TOLL FREE: 1-800-875-5788
www.spectraturf.com



SECTION

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 092-030



SPECTRAPOUR POUR-IN-PLACE

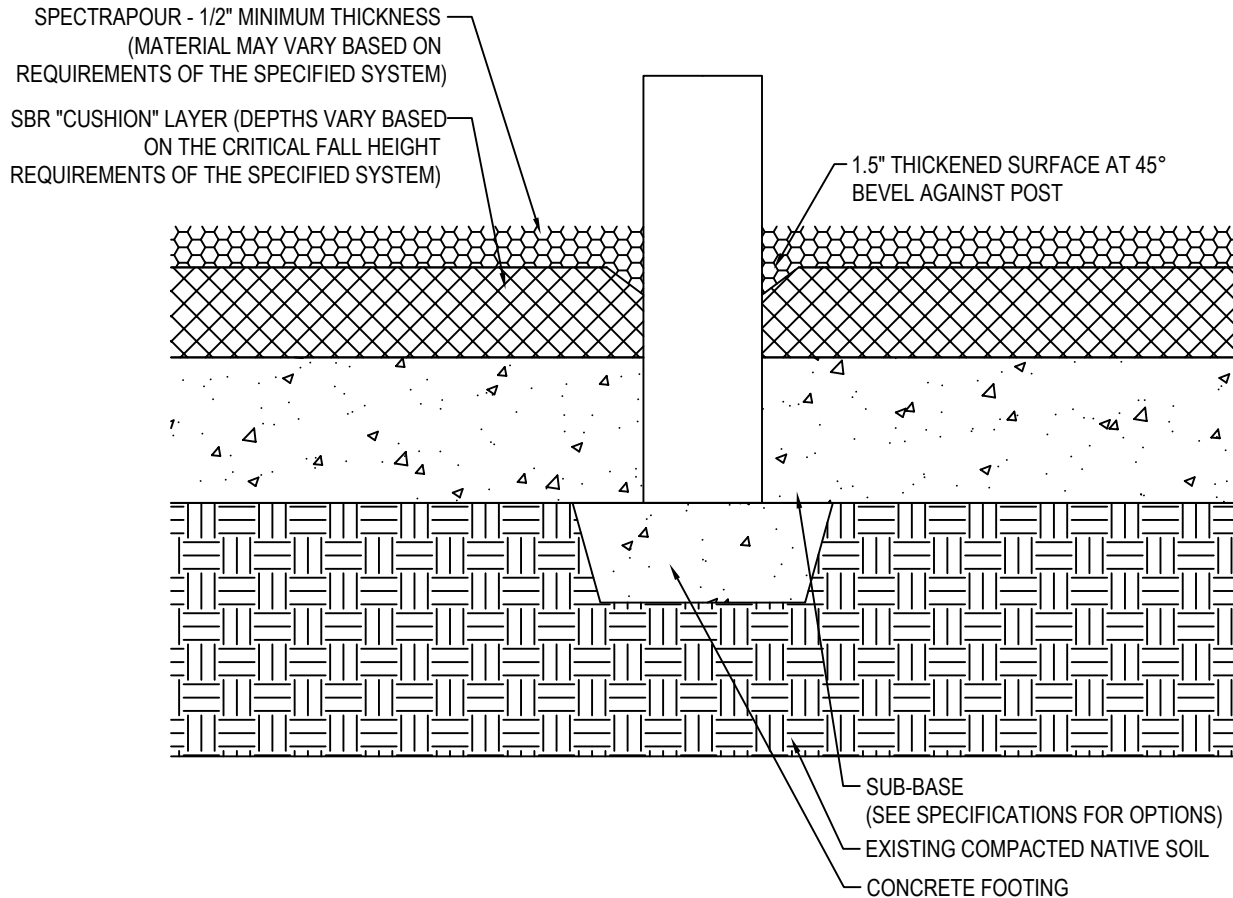
SPECTRAPOUR: STANDARD CURB - FLUSH TO CONCRETE CURB OR WALL



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SPECIFICATIONS

SUB-BASE OPTIONS:

COMPACTED AGGREGATE: 4" MINIMUM THICKNESS OF TYPE II ROAD BASE COMPACTED TO 95% IN 2" WATERED LIFTS.

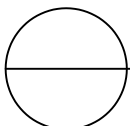
CONCRETE: 4" MINIMUM THICKNESS OF MINIMUM 2500 PSI. MUST CURE FOR 7 DAYS* PRIOR TO INSTALLATION OF SAFETY SURFACING. (REQUIRES DRAINAGE DESIGN)

ASPHALT: 3" MINIMUM THICKNESS MUST CURE A MINIMUM OF 14 DAYS*, PRIOR TO INSTALLATION OF SAFETY SURFACING. (REQUIRES DRAINAGE DESIGN)

* MUST CURE MINIMUM OF 28 DAYS FOR WEAR LAYER ONLY INSTALLATIONS

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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 092-011



SPECTRAPOUR POUR-IN-PLACE

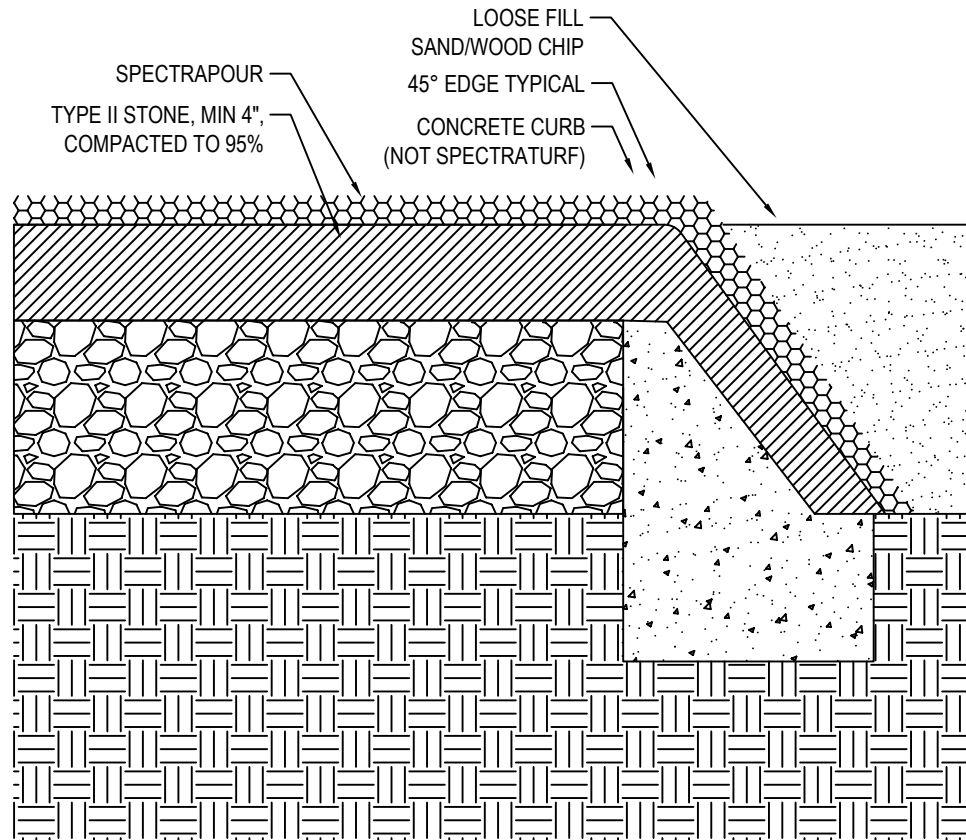
SPECTRAPOUR: INSTALLATION AT POST LOCATIONS



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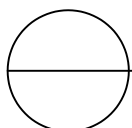
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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 092-031



SPECTRAPOUR POUR-IN-PLACE

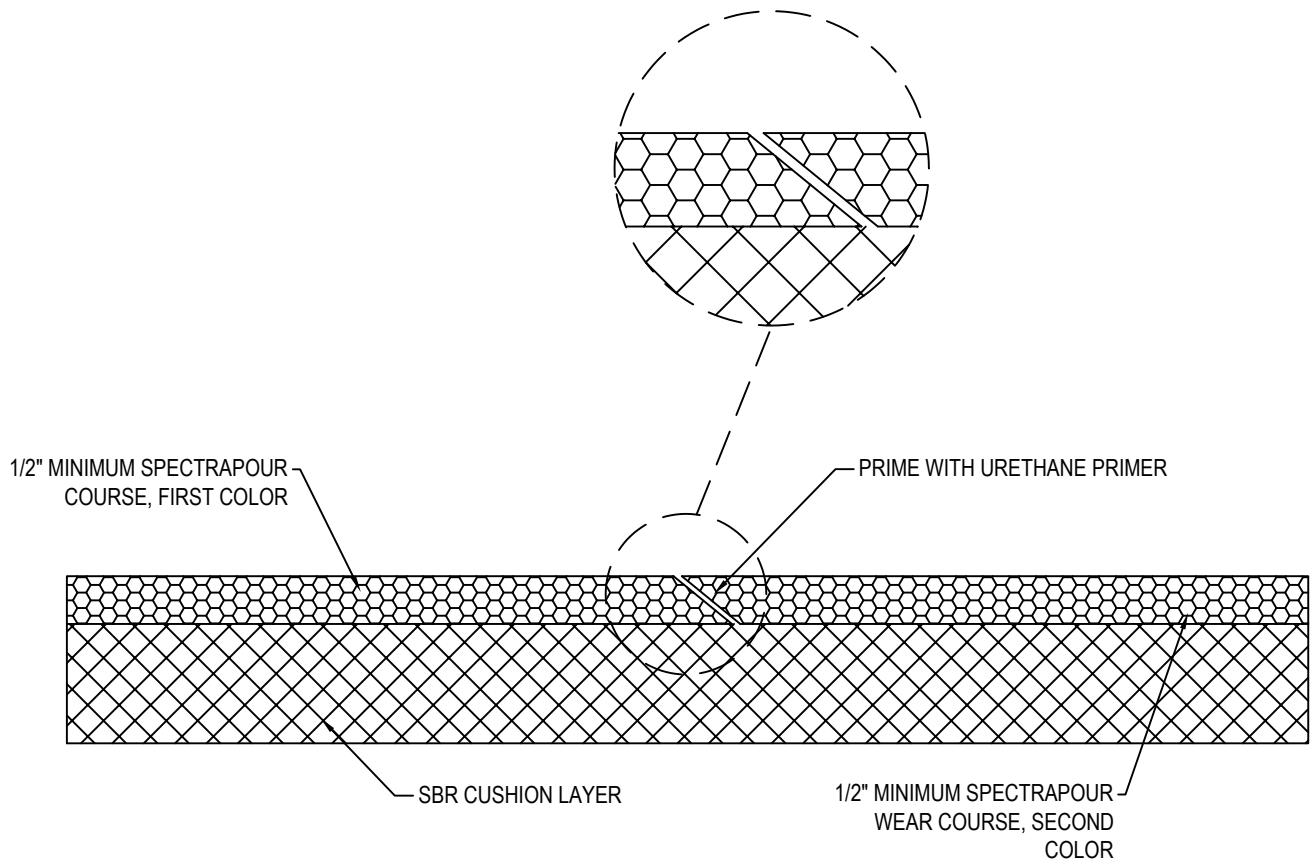
SPECTRAPOUR: TURNDOWN TO LOOSE FILL (45 DEGREE EDGE TYPICAL)



SpectraTurf

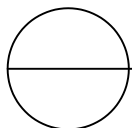
an ecore company

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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 092-010



SPECTRAPOUR POUR-IN-PLACE

SPECTRAPOUR: BEVEL CUT FOR WEAR LAYER

MAINTENANCE GUIDELINES

Addendum A (1 of 2)

The following maintenance guidelines are hereby noted as an attachment to the SpectraTurf Statement of Warranty and are so noted in the report of Warranty as Addendum A.

SpectraTurf is under no obligation to repair or replace any of its Playground safety Surfacing Systems that are damaged by improper maintenance; vandalism; product misuse, abuse or alteration; improper drainage; normal wear and tear; damage from sharp objects; unapproved cleaning materials; or Acts of God.

Recommended Monthly Maintenance:

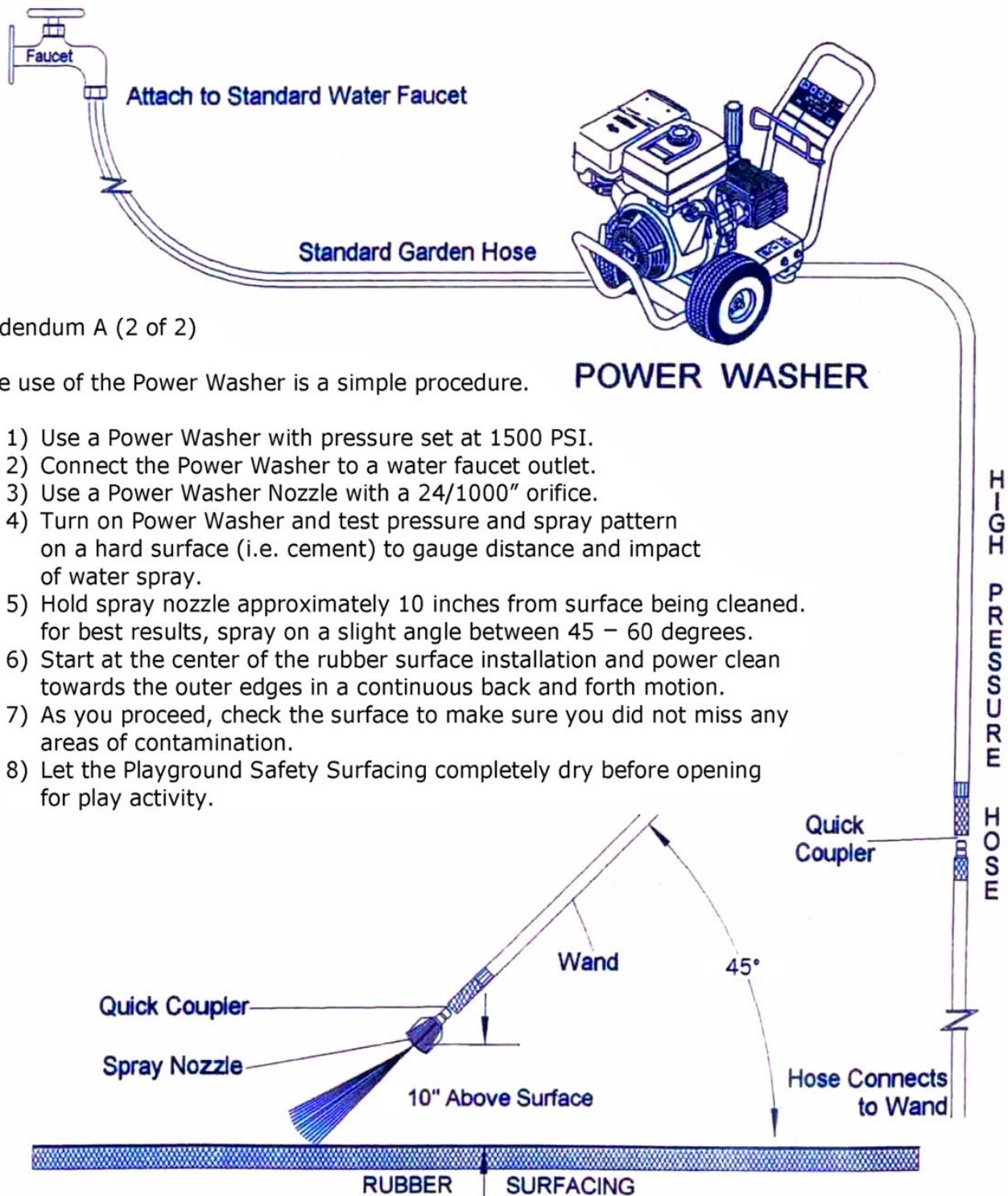
1. Power Wash the entire Playground Safety Surfacing to remove surface dirt, food, drink, sand, and various contaminants. Use an air blower to remove loose debris before Power Washing the Playground Safety Surface.
2. On heavily stained isolated areas, after wetting, apply a sufficient amount of all-purpose cleaner and scrub with a 10" minimum bristle brush. Rinse thoroughly and repeat as necessary. Perform hand cleaning early in the morning or late afternoon so that the cleanser will have time to work before evaporating in high temperature conditions.
3. Power Washing can be performed any time during the day. Please refer to Addendum A (2 of 2) for illustrated procedures for power washing the Playground Safety Surfacing.

Other Recommended Maintenance:

1. Every 2 to 3 years, depending upon the amount of use the play area receives, an application (roll coat) of aliphatic resin should be applied to the Playground Safety Surfacing. Aliphatic resin should be applied by rollers (NOT air sprayers) at a rate of approx. 60 sq ft per gallon over the entire wear layer of the Playground Safety Surfacing and allowed to cure for a minimum 72 hours before use of the play area.

NEVER USE A STEEL OR HARD PLASTIC BRUSH ON MANUAL OR ELECTRIC CLEANING UNITS. CONSULT WITH SPECTRATURF AT (800) 875-5788 BEFORE COMMENCING ANY CLEANING OPERATION THAT MAY BE HARMFUL TO THE PLAYGROUND SURFACING SYSTEM

MAINTENANCE GUIDELINES



Addendum A (2 of 2)

The use of the Power Washer is a simple procedure.

- 1) Use a Power Washer with pressure set at 1500 PSI.
- 2) Connect the Power Washer to a water faucet outlet.
- 3) Use a Power Washer Nozzle with a 24/1000" orifice.
- 4) Turn on Power Washer and test pressure and spray pattern on a hard surface (i.e. cement) to gauge distance and impact of water spray.
- 5) Hold spray nozzle approximately 10 inches from surface being cleaned. for best results, spray on a slight angle between 45 – 60 degrees.
- 6) Start at the center of the rubber surface installation and power clean towards the outer edges in a continuous back and forth motion.
- 7) As you proceed, check the surface to make sure you did not miss any areas of contamination.
- 8) Let the Playground Safety Surfacing completely dry before opening for play activity.

SpectraPour Poured-in-Place Specification

SpectraTurf
555 South Promenade Avenue #103
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Phone: (951) 736-3579
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www.spectraturf.com

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: SpectraPour Poured-in-Place Playground Surfacing System.
- B. Related Sections: Sitework Sections: Materials and Methods, Excavation, Asphalt Paving, Concrete Paving, Sub-Drainage, Storm Drainage, Fencing, Playground Equipment and Structures.

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension.
 - 2. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
 - 3. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.
 - 4. ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials.
 - 5. ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.
 - 6. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
 - 7. ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

1.03 SYSTEM DESCRIPTION

A. Performance Requirements: Provide a 2 layer rubber-urethane playground surfacing system which has been designed, manufactured and installed to meet the following criteria:

1. Shock Attenuation (ASTM F1292):
 - a. Gmax: Less than 200.
 - b. Head Injury Criteria: Less than 1000.
2. Flammability (ASTM D2859): Pass.
3. Tensile Strength (ASTM D412): 60 psi (413 kPa).
4. Tear Resistance (ASTM D624): 140%.
5. Water Permeability: 0.4 gal/yd²/second.
6. Accessibility: Comply with requirements of ASTM F1951.

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit manufacturer's product data and installation instructions.
- C. Verification Samples: Submit manufacturer's standard verification samples of 6" x 6" minimum.
- D. Quality Assurance/Control Submittals: Submit the following:
1. Certificate of qualifications of the playground surfacing installer.
- E. Closeout Submittals: Submit the following:
1. Warranty documents specified herein.

1.05 QUALITY ASSURANCE

- A. Qualifications: Installer must be a direct employee of the manufacturer's installation division, having 5 years' experience with other projects of the scope and scale of the work described in this section. Certified subcontracted installation not acceptable.
- B. International Play Equipment Manufacturers Association (IPEMA) certified.
- C. Comply with ASTM F1292 and F1951 Standards.

1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirement Section.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).

1.07 PROJECT/SITE CONDITIONS

- A. Environmental Requirements: Install surfacing system when minimum ambient temperature is 40 degrees F and maximum ambient temperature is 105 degrees F. Exception to the temperature requirements can be made by the manufacturer of the surfacing system. Do not install in steady or heavy rain. Exceptions can be made for enclosed or tented areas.

1.08 WARRANTY

- A. Project Warranty: Standard manufacturer warranty period is 5 years from date of completion of work.
- B. Compaction and proper drainage are critical to the longevity of the SpectraPour Poured-in-Place surfacing system. Compaction and inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty. Acceptable subbase materials are concrete, asphalt, or class 2 aggregate.

PART 2 PRODUCTS

2.01 SPECTRAPOUR PLAYGROUND SURFACING SYSTEM

A. Manufacturer: SpectraTurf

1. Contact: 555 South Promenade Avenue, #103, Corona, CA 92879;
Telephone: (800) 875-5788; Fax: (951) 734-3630;
E-mail: info@spectraturf.com website: <http://www.spectraturf.com>.

B. Proprietary Products/Systems.

SpectraPour Poured-in-place playground surfacing system, including the following:

1. SpectraPour Poured-In-Place Primer:

a. Material: Urethane.

2. SpectraPour Poured-in-Place Basemat:

a. Material consists of US manufactured recycled SBR, pre-consumer or post-industrial non-tire polyurethane products, or reclaimed playground safety surfacing.

The type of playground equipment determines the required basemat thickness, and the basemat thickness may be different at various locations on the playground site. Depending on ASTM F1292 requirements for critical fall height (5', 6', 7', 8', 10', or 12'), select basemat thickness from options provided in subparagraph below (1-1/2", 2", 2 1/2", 3", 4" or 4 1/2" respectively). Specify project requirements below and coordinate with working drawings.

b. Basemat Thickness: [1 1/2"] [2"] [2 1/2"] [3"] [4"] [4 1/2"]

3. SpectraPour Poured-In-Place Top Surface:

a. Material: Blend of US manufactured recycled EPDM (ethylene propylene diene monomer) rubber and Aromatic binder.
Certificate of origin required.

** Aliphatic (UV-Stabilized) Resin available at additional costs*

b. Top Surface Thickness: minimum 1/2".

c. Color:

Standard Colors: Inferno Red; Shamrock Green; Cobalt Blue; **Sky Blue**; Sandstone Beige; Pewter Gray; Jet Black

Premium Colors: **Ash Gray**; Charcoal Gray; **Lime Green**; Ivy Green; **Agave Teal**; **Aquamarine**; Sapphire Blue; **Cherry Red**; Scarlett Red; **Raspberry Pink**; **Lilac Purple**; **Plum Purple**; **Canary Yellow**; Honey Gold; **Citrus Orange**; Chestnut Brown; **Pampus Ivory**; **Eggshell**

Aliphatic urethane is recommended for the lighter or brighter colors notated in bold lettering. Standard aromatic binder "yellows" slightly upon exposure to ultraviolet rays. Most of this thin layer of urethane wears off with foot traffic and weathering typically within two to six months. *This characteristic applies industry-wide.*

d. Dry Static Coefficient of Friction (ASTM D2047): 1.0.

e. Wet Static Coefficient of Friction (ASTM D2047): 0.9.

f. Dry Skid Resistance (ASTM E303): 89.

g. Wet Skid Resistance (ASTM E303): 57.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

2.03 MIXES

A. Required mix proportions by weight:

1. Basemat: 14 - 16+% urethane (as ratio: 14% urethane divided by 86% rubber). 14% urethane, 86% rubber (based on entire rubber & urethane mix).

2. Top Surface: 20 - 22% urethane (ratio: 18% urethane divided by 82% rubber). 18% urethane, 82% rubber (based on entire rubber & urethane mix).

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions, details, and recommendations of the attenuating playground surfacing manufacturer.

3.02 EXAMINATION

A. Substrate preparation must be in accordance with surfacing manufacturer's specification. New asphalt must be fully cured – up to 30 days. New concrete varies 1-5 days weather dependent.

B. Compaction and proper drainage are critical to the longevity of the SpectraPour Poured-in-Place surfacing system. Compaction and inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty. Acceptable subbase materials are concrete, asphalt, or class 2 aggregate.

3.03 PREPARATION

A. Surface Preparation: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment posts, curbs, or anchor that will contact the surfacing system.

3.04 INSTALLATION

A. Do not proceed with playground surfacing installation until all applicable site work, including substrate preparation, fencing, playground equipment installation and other relevant work, has been completed.

B. Basemat Installation:

1. Using screeds and hand trowels, install the basemat at a consistent uniform thickness for required fall height.

2. Allow basemat to cure for sufficient time so that indentations are not left in the basemat from applicator foot traffic or equipment.

3. Do not allow foot traffic or use of the basemat surface until it is sufficiently cured.

C. Primer Application: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment posts, curbs, or anchor that will contact the surfacing system.

D. Top Surface Installation:

1. Using a hand trowel, install top surface at a consistent uniform minimum thickness of 1/2".
2. Allow top surface to cure for a minimum of 48 hours for aromatic resin / 72 hours for aliphatic resin.
3. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface.
4. Do not allow foot traffic or use of the surface until it is sufficiently cured.

3.05 PROTECTION

A. Protection of the work is excluded. The installation crew will protect its work only while on site working. The Owner or Contractor is responsible for protection after the crew leaves each day and after the crew leaves the site at substantial completion of their work.