

Sureplay Surepour System

Part 1 General

1.01 Poured in Place Playground Surface

The **SUREPLAY SUREPOUR** playground system is a seamless, non-slip, non-flammable, wheelchair accessible safety surface.



1.02 Manufacturer

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1.03 Submittals

Shall consist of a color chart, MSDS sheets, minimum of a 6" x 6" sample, and a list of at least ten successful projects in the last year, five completed in the past three years, and five successfully completed over five years.

1.04 Description of system

The **Sureplay** Playground System consists of a two layers. The first, base course, being a recycled SBR (Styrene Butadiene Rubber) and polyurethane binder, and wearing course being a EPDM (Ethylene Propylene Diene Monomer) rubber and polyurethane binder.

1.05 Acceptable Sub Grades

Concrete, Asphalt, or Compacted Stone (with a minimum compaction rate of 95%). Please refer to **Sureplay's Detail Cut sheet** for further information.

1.06 Testing

Impact attenuation (ASTM F1292-04)

HIC (ASTM F1292-04)

Flammability (ASTM D2859)

Dry skid Resistance (ASTM E303)

Dry static coefficient of friction (ASTM D2047)

Wet skid resistance (ASTM E303)

Wet static coefficient of friction (ASTM D2047)

Water permeability (ASTM D2047-82)

Elongation (ASTM D624-86)

Wheel chair mobility (ASTM F1951)

All products have been tested and passed all of the above requirements.

Part 2 MATERIALS

2.01 SBR Base

The impact layer shall be recycled SBR rubber with an average 3/8" shred containing less than 4% dust, blended with **Sureplay** standard polyurethane binder.

2.02 EPDM Wear Course

Shall be a virgin rubber with a minimum of 25% EPDM and an average size of 1-4mm (strand, shaved or shredded rubber is not acceptable).

Surepour Colors:

Eggshell	Yellow	Teal
Beige	Orange	Blue
Brown	Terracotta	Purple
Gold	Green	Grey

Surepour Blends:

Aquarium (50% Blue & 50% Teal)

Cappuccino (40%Brown, 30% Eggshell, 30% Beige)

Bubble Gum (34% Purple, 33% Pink, 33% Eggshell)

Brick (60% Terracotta & 40% Brown)

Mardi Gras (34% Purple, 33% Gold, 33% Green)

Safari (20% Brown, 40% Beige, 40% Green)

Ocean Breeze (50% Blue, 25% Eggshell, 25% Tan)

Pride (33% Primary Red, 33% Blue, 34% Eggshell)



2.03 Primer

One component **Sureplay** polyurethane.

2.04 Standard Binder

Sureplay moisture cured single component polyurethane containing no toluene diphenyl isocyanate (TDI) with a minimum weight of 8.5 lbs. per gallon.

2.05 Aliphatic Binder

Sureplay aliphatic binder can be used in place of standard binder with the EPDM wear course. **Sureplay** strongly recommends the use of aliphatic binder for bright colors which contains a UV stabilizer and keeps colors vibrant over time.

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PART 3 INSTALLATION

3.01 Inspection

Do not proceed with Surepour system until all site work, including playground equipment, sub-base preparation, and any other related work is complete and plans are verified.

3.02 Material Handling

Rubber materials shall be transported in bags stored above 34 degrees F and handled such as to protect from moisture.

3.03 SBR Base

Base is mixed with *Sureplay* standard binder and consistently spread to specified thickness. Please refer to *Sureplay's Fall height Chart* for further information.

3.04 Primer

Sureplay primer is applied with a short nap roller at a rate of 300 Sq. Ft. per gallon. The borders, play equipment and abutting rubber should be primed with 2" paint brush.

3.05 EPDM Wear Course

Wear course is mixed with standard binder (or aliphatic) then using a hand trowel evenly spread at a minimum thickness of 1/2" (at high traffic areas such as under swings, slide exits, circular motion toys and all high traffic areas a min. of 5/8" is required). After the product is spread, the steel trowel is lubricated for a smooth and uniformed surface.

PART 4 PROTECTION AND CLOSE-OUT

4.01 Security

Surface shall be protected from foot traffic during installation as well as curing period upon completion.

4.02 Basic maintenance

For small debris use a soft brush broom or power washer (no more than 1,600 PSI). There is no need for snow removal considering Surepour is a completely porous surface. However, if an area needs to be cleared use a plastic shovel. In no circumstances should a melting agent be used, if so any warranty will be voided. Melting agents, such as rock salt or calcium chloride will cause serious damage to the rubber surfacing.. (Cracking, splitting, or degrading)

4.03 Technical

Sureplay International's Rubber Surfacing can provide service for a turn-key project. General contractors, architects, park and recreation directors, school construction authorities and child care center directors rely on our fully trained staff for assistance with every aspect of the project. Such as, **Design, demolition, site grading, equipment installation, and surfacing.**

4.04 Warranty

Sureplay offers a standard two year warranty and additional coverage may be purchased. (for specific information please ask to see a sample warranty)

