

RUBBERIZED SURFACING FOR PLAYGROUNDS

**PART 1 - GENERAL**

**RUBBER PLAYGROUND SURFACING**

- 1.1 Section includes: Resilient playground surfacing poured-in-place system.
- 1.2 Related work: Playground equipment and resilient playground surfacing sub base.
- 1.3 Description: Provide all necessary materials, labor, tools and equipment to perform the work included in the section for the installation of the poured-in-place resilient playground surfacing.
- 1.4 Quality Assurance - Manufacturer shall have manufactured and installed playground poured-in-place surfacing systems for a minimum of 10 years and meet current ASTM F-1292-04 Test Criteria.
- 1.5 The installation of the poured-in-place product shall be completed by Manufacturer Certified Contractors or by direct employees of the Manufacturer's Installation Division. Manufacturer's detailed installation procedures shall be submitted to the Architect and made a part of the Bid Specifications.

**PART 2 - SUBMITTALS**

- 2.1 Manufacturer's Product Literature and Specification Data.
- 2.2 ASTM F1292-04 Impact Attenuation Test Certification for the poured-in-place system to be installed in compliance with the Critical Fall Height as determined by the Playground Equipment to be installed in conjunction with the poured-in-place surfacing system.
- 2.3 ASTM E108 Flammability Test.
- 2.4 ASTM E303 Skid Resistant Test.
- 2.5 ASTM F1951-99 Wheelchair accessibility Test.
- 2.6 IPEMA Certification is Mandatory. Submit IPEMA Certificate at time of bid.
- 2.7 Statement of Warranty for a minimum five year period with detailed Warranty Claim requirements of the owner and specific procedures to be followed by the manufacturer in terms of response and repair of warranty claims.

2.8 Insurance requirement – manufacturer will submit insurance certificate for General Liability and Excess liability for a total of \$15,000,000 (Fifteen Million dollars). Submit this insurance document at time of bid. Lesser amounts of coverage shall automatically disqualify bid.

### **PART 3 - PRODUCTS**

3.1 Product: SpectraPour® Safety Surfacing or approved equal. Equals shall be submitted for review no less than 10 days before bid. No exceptions to this 10-day prior approval requirement are allowed. Contact SpectraTurf, (800) 875-5788 or fax (951) 734-3630.

3.2 Description: A dual durometer poured-in-place system with a wearing layer upper membrane and an underlying impact attenuation cushion layer. The finished surface shall be porous and capable of being installed at varying thickness to comply with Critical Fall Height requirements of playground equipment installed in conjunction with the surface.

3.3 Materials: The SpectraPour® surface shall be manufactured from EPDM and SBR rubber compounds mixed with a 100% MDI based Polyurethane Resin. Polyurethane contained any TDI shall not be allowed due to environmental regulations.

3.4 Cushion Course shall be a mixture of shredded and a 1-4mm SBR rubber particles of heterogeneous distribution bonded by a polyurethane binder applied to 100% of the rubber and installed to a designated thickness as required by the Consumer Product Safety's Commission's Guidelines and ASTM F1292-04 Test Criteria.

3.5 Wearing Surface shall be a mixture of black EPDM or colored EPDM 1-4 MM granules bonded by a polyurethane binder applied to 100% of the granules and applied to a minimum thickness of 1/2" over the cushion layer. Color choice and blend ratios to be of color selected by the owner.

3.6 Finish Texture: Pebble grain.

3.7 Color: As indicated on drawings.

### **SUB-BASE REQUIREMENTS**

#### **PART 1 – GENERAL**

1.1 Preparation: The sub-base of the entire area to be surfaced shall be cleared of any foreign materials and treated to eliminate growth of grass, weeds, shrubbery, trees, etc.

1.2 The native sub-base shall be graded to allow for proper water drainage that will prevent sub-base erosion.

1.3 The native sub-base shall be compacted to a 90% rating.

1.4 Curbing shall be installed at the perimeter of the area to be installed and may be concrete or other acceptable system that will not deteriorate over the anticipated life of the system. Curbing shall be set at an acceptable grade level to permit proper drainage and contain the area. All curbing shall be covered by protective surfacing.

## **PART 2 - SUB-BASE SURFACE OPTIONS**

2.1 Asphalt/Concrete: A minimum three (3) inch layer may be applied over the sub-base materials to a finished of + 1/8" when measured with a ten foot straight edge. The concrete surface shall cure a minimum of twenty eight (28) days. Asphalt cure shall be a minimum of six (6) weeks prior to application of surfacing.

2.2 Aggregate Base: Installation of a minimum four (4) inch layer of aggregate crushed rock or road base shall be completed and compacted to a 90% rating and a + 1/4" level when measured with a ten foot straight edge in any direction. The compaction shall be completed in two (2) inch lifts after the area has been water sprayed. The entire area shall be graded at a minimum of 1.5 - 2% for drainage in compliance with existing site conditions.

2.3 Compacted Aggregate Base: A geotextile fabric shall be applied over the compacted and graded stone sub-base. The application of the poured in-place system shall be applied over the geotextile membrane.

## **PART 3 – CORRECTIONS**

3.1 Any portion of the above stated work shall be inspected by SpectraTurf prior to application of the safety surfacing materials.

3.2 Any corrections deemed necessary by SpectraTurf or the Architect shall be completed by the parties responsible for the appropriate portion of the work prior to the installation of the Safety Surfacing system.

3.3 Under no circumstances shall SpectraTurf assume responsibility nor warranty cost for any failure of work completed by others (see Statement of Warranty)