

# **Specifications**

## **Part 1 - General**

### **1.1 Work Included**

This work included finishing and installing the specified safety surface.

### **1.1.1 Description of System**

**Safety Turf** shall be poured in place to provide a resilient, rubber surface installed over a base as specified. The surfacing contractor shall be responsible for all labor, materials, tools, and equipment to perform all work and services for the installation of the surface.

### **1.1.2 Quality Assurance**

Impact attenuation test results will be provided to the owner's representative. This will also include HIC test results. Test results shall meet or exceed **ASTM-F1292-04** impact attenuation guidelines of 200 G's or less from the actual fall height. HIC test results shall be less than 1000 at this fall height.

## **Part 2 - Products**

### **2.1 Acceptable Manufacturer**

**Safety Turf, Inc.**, 1501 Egypt Road, P.O. Box 820, Oaks, PA 19456, (610) 666-1779  
Fax: (610) 666-1768. Any product or surfacing contractor, which has not met the prior approval requirements of this section shall not be approved.

### **2.1.1 Materials**

**Poured Base Layer** - A precise combination of recycled tire buffing mixed on site with a MDI based polyurethane binder.

**Poured 1/2" Top Layer** - EPDM rubber granules (1-4mm size) and a MDI based polyurethane binder. (Note: An Aliphatic binder may be used)

**Color** - Colors will be chosen by owner or owner's representative.

## **Part 3 - Procedure**

### **3.1 Sub Base**

a) If the surface is existing (or new) asphalt or concrete, a 1" deep by 1" wide keyway is to be cut into the surface along the perimeter of the safety surface area. This will provide for a beveled perimeter edging allowing for barrier free accessibility.

b) If asphalt or concrete is not used, then the sub base will be a compacted stone base. This base shall be prepared with a minimum of 4" of 2B crushed stone that is spread and compacted to a flat surface leaving the thickness of the required safety surface below finish level. A polypropylene filter fabric will be installed on top of the compacted stone base.

### 3.1.1 **Installation**

**Thickness** - Total minimum depth of the safety surface will be 2". The thickness may be adjusted to meet the fall height requirements noted in section 1.1.2.

**Poured Base Layer** - The 1 1/2" layer of recycled tire buffing will be mixed on site with a MDI based polyurethane binder in a mortar mixer. Mix buffing until they are coated uniformly. This layer will be poured in place by means of screeding and hand troweled. Edge conditions shall be done per project requirements.

**Poured Top Layer** - The 1/2" poured top layer shall be composed of EPDM granular rubber. The EPDM rubber will be mixed on site with a MDI based polyurethane binder in a mortar mixer. Mix granules until they are coated uniformly. The top layer will be poured in place and hand troweled. If the safety matting is installed over existing asphalt or concrete, the EPDM granules will be troweled into the keyway to provide a smooth transition from the existing surface onto the safety matting.

**Edges** - Surface edges shall be flush with the edge of adjacent area, or be such that there is a smooth transition onto the safety matting from the existing surface, or per owner's requirements.

**Porosity** - Surface shall be porous to the extent of allowing the equivalent of 12" per hour of rainfall to flow through it.

**Traction** - Surface shall be non-skid, wet or dry.

**Softness** - Surface deflection with a 30 lb. Load shall be 1/4" to 1/2" with 99% recovery.

**Health & Environment After Curing** - Surface shall be non-toxic, non-allergenic and non-polluting.

### 3.1.3 **Protection**

The **Safety Turf** surface should be protected from foot traffic for a minimum of 24 hours after installation to allow surface to cure.

Note: This curing time may be longer in colder weather.