

## **SPECIFICATIONS FOR LANDSAFE™ POURED IN PLACE RUBBER SAFETY SURFACING**

### **1.0 General**

- 1.1 Section Includes: Resilient playground surfacing Poured-in Place system
- 1.2 Related work: Sub-base and playground equipment
- 1.3 Description: Provide all material, equipment, and labour for the installation of the poured-in-place playground surfacing
- 1.4 Quality Assurance: The manufacturer shall have been installing poured in place surfacing for a minimum of five years, independent fall height data according to ASTM 1292, and all installations shall be done by manufacturer certified technicians.

### **2.0 Submittals**

- 2.1 Manufacturer product literature, installation specifications, fall height testing, and MSDS

### **3.0 Products**

- 3.1 Product: **landsafe™ sealed**
- 3.2 Manufacturer: Marathon Surfaces Inc.: Surrey, B.C. Canada, 604-878-0625
- 3.3 Description: A rubberized safety surface, which consists of a base mat and a wearing course. The base mat is composed of rubber buffings and granules the wearing course is composed of 1-3mm rubber granulars. Both the buffing and the wearing course are bound together by a 100% MDI moisture cured polyurethane binder.
- 3.4 Materials: Landsafe™ is manufactured from SBR and EPDM rubber, which is mixed with 100% MDI moisture cured polyurethane binder, two component polyurethane.

### **4.0 Installation**

- 4.1 Base Mat: Rubber granules are mixed in a mechanical mixer with the polyurethane binder. The mixing ratio of binder to rubber is 15% by weight. The mixed product is then trowled to depth (thickness of rubber will depend on fall height requirements) on a prepared sub-base.
- 4.2 Wearing Course: Rubber granulars are mixed in a mechanical mixer with the binder. The mixing ratio of binder to rubber is 21% by weight. The mixed product is trowled on top of the base mat, which has been primed with a 2-1 binder-xylene mixer, to a depth of 12mm.

4.3 Top Coat: Seal off wearing course with a rubber dust and urethane mixture. Apply 2mm of two-component urethane (colour selected by client). Once set, roll applies two-component polyurethane paint.

4.4 Quality Control: The surface level shall not vary more than 5mm over 3m and the rubber blend shall be even and consistent.

## **5.0 Warranty**

5.1 The manufacturer will provide a two-year warranty against, delaminating, premature wear, and colorfastness.