

DETAILED SPECIFICATIONS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. This work shall consist of furnishing and installing poured-in-place safety surface in accordance with the contract documents and as directed by the Director's Representative.

1.02 MATERIALS

- A. Materials shall meet or exceed CPSC guidelines for impact attenuation. Materials shall be SBR and EPDM rubber shreds and granules mixed with 100 percent solids MDI polyurethane binding agent. The wearing course shall be formed of EPDM rubber particles with minimum of 20 percent and maximum of 26 percent ethylene propylene-diene-saturated polymethylene main chain along with other organic and inorganic components. Cushion course shall be manufacturer's standard formulation of SBR particles and polyurethane, site mixed and applied.
- B. Binder shall be weather-resistant, UV-stabilized, flexible, non-hardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content.
- C. Thickness of the wear course shall be ½ inch. The cushion course thickness shall accord to current ASTM specification standards for impact attenuation of surfacing materials within the use zone of playground equipment.
- D. Colors shall be selected by the Director's Representative from manufacturer's full range.

1.03 WARRANTY

- A. Poured-in-place surfacing shall maintain required impact attenuation characteristics and be guaranteed against defects in workmanship and material for at least a five (5) year period. Warranty will be specific to maintenance requirements and performance standards of completed product

1.04 CONSTRUCTION DETAILS

- A. All areas on plans are approximate. The poured in place rubber safety surface installer must be trained by a manufacturers approved or accepted training/certification program. Installer must have prior experience installing poured in place safety surfacing, with at least five installations where poured in place surfacing similar to those proposed for use have been installed in the Long Island/NYC Metro area and have been in service for a minimum period of three (3) years.
- B. Poured-in-place must be installed on a dry sub-surface, with no prospect of rain within the initial drying period, and within the recommended temperature range of the manufacturer.
- C. The Contractor is to examine areas to receive playground safety surface. The playground safety surface will be placed over Recycled Concrete Aggregate base that shall be soundly compacted and installed prior to the installation of the playground safety surfacing. The Contractor must verify that the sub-base installation meets the manufacturer's requirements. Verify that the appropriate sub-grade elevation has been established for the particular safety surface to be installed. Notify the Director's Representative if areas are not acceptable; Contractor shall not begin installation until unacceptable conditions have been corrected.
- D. Areas of work must be reviewed and approved by the NYS OPRHP Representative before any cutting and patching of the surface commences.
- E. The Contractor shall install all types of playground safety surfacing, adhesives and hardware in accordance with the approved manufacturer's instructions and U.S. Consumer Product Safety Commission (CPSC). The safety surfacing installation shall not create new hazards; hence all installations shall be done as carefully as possible in a neat and skillful manner.

- F. The Contractor shall ensure prepared subsurface and safety surface are dry and clean. The Contractor will install the poured-in-place safety surface according to the manufacturer's instructions. Poured-in-place surfacing shall be seamless and cover all foundations and fill around all elements penetrating the surface. Installers shall work to minimize excessive adhesive on adjacent surfaces or play equipment. Any spills shall be promptly cleaned.
- G. Protect safety surface from foot traffic until a minimum of 80% cure is obtained (between 6 and 48 hours depending on temperature and humidity).

END OF SECTION