

## Softline Pour In Place PhysiSurface™ System

### 1.0 PRODUCT DESCRIPTION

Softline Pour In Place PhysiSurface™ system is a high wear and impact absorbing system for outdoor athletic areas and running tracks. This surface consists of a minimized impact absorbing layer when required for athletic areas, and a high strength wear layer mixed with specialist polyurethane to increase surface traction and reduce player fatigue.

### 2.0 MATERIALS

#### 2.1 BASE (IMPACT) LAYER

Polyurethane binder and rubber mixed to specific ratio. Impact layer is installed to a specified depth. (Not applicable to running track applications)

#### 2.2 TOP (WEAR) COURSE

Polyurethane binder and fine rubber mixed to specific ratio. Top course is laid to a minimum  $\frac{3}{4}$ " (20mm) depth.

### 3.0 SITE PREPARATION

#### 3.1 ADMINISTRATIVE REQUIREMENTS

1. Coordination: Coordinate work of this section with other related work and in particular with work specified.
2. Schedule: Prepare a schedule for the work of this section. Include a detailed activity list, start and finish dates, milestones and date of substantial completion. Provide Consultant with a copy of proposed schedule and obtain Consultant's acceptance of schedule.
3. Pre-Installation Meeting: Convene a pre-installation site meeting at least 7 days prior to commencing work at site. Require attendance of parties directly affecting work of this section, including Consultant and, if appointed, testing agency. Review work activities and schedule. Tour site and inspect and discuss site physical conditions. Review required inspections.

#### 3.2 SITE CONDITIONS

1. Ambient Conditions: Perform work on site when ambient conditions are conducive to proper performance and in accord with recommendations of Softline PhysiSurface installer. Take all reasonable precautions to guard against effects of adverse weather conditions.
2. Site Information: Before commencing work on site examine available documentation pertaining to site and determine nature and location of above ground and underground utilities. Report demonstrable and potential conflicts with work of this section to Consultant.

3. Existing Soil Conditions: Before proceeding with full scale excavation work, confirm nature of existing soil conditions.
4. Abandoned utilities encountered during excavation shall be removed and their ends plugged.
5. Active utilities encountered during excavation and not indicated in Contract Documents shall be reported immediately to Consultant and utility owner who shall determine measures necessary to repair, relocate, or remove utility.

#### **4.0 EXECUTION**

##### **4.1 EXCAVATION**

Excavation: Accurately excavate to dimensions shown on drawings.

##### **4.2 SUB-GRADE PREPARATION**

1. Remove unstable bottom material, including large stones, debris and compressible soils. Accurately construct and fine grade the sub-grade to required lines and levels. Compact sub-grade to 95% Standard Proctor Density.
2. Finished sub-grade shall be flat, uniform, dense, smooth, and free from loose stones and foreign matter.

##### **4.3 GRANULAR BASE COURSE**

1. Install granular base course to depth shown on Drawings on sub-grade and under first layer of Softline PhysiSurface. Compact granular base course to minimum 95% Standard Proctor Density.

Refer to Appendix 'A' for more sub-grade detail.

##### **4.4 POUR IN PLACE PHYSISURFACE™ SYSTEM INSTALLATION**

Refer to published sub-base, drainage, and installation requirements as specified in defined scope of work supplied by the project tender and landscape architect.

Areas and conditions within the defined scope of work shall be examined prior to commencement and officially signed off by the general contractor, landscape architect, Softline Solutions, and project manager as suitable to proceed.

Conditions detrimental to timely and proper completion of the work must be corrected prior to proceeding with installation. Installation shall not proceed until unsatisfactory conditions are corrected.

In areas where Softline Solutions requires thicker protective surfacing (following sub-base sign off), Softline Solutions shall be responsible for modifying the sub-base accordingly.

##### **4.5 PROTECTION**

Site shall be protected from unintended walking on installed surfacing until 100% cure is obtained, unless otherwise agreed to and a sign off inspection has occurred.

**APPENDIX 'A'****A-1 SUB-GRADE DETAIL - OPTIONS****A) Compacted Aggregate:**

- 150mm - 200mm, minus 20-25 crushed grave base specification, with <5% fines, compacted to 98% standard proctor density.
- Shall maintain a planarity of plus minus 6mm over 3m in any direction unless otherwise specified.
- When protective surfacing is applied after equipment installation it is difficult to obtain the required compaction standard. Hand tamping may be required in areas difficult to access. In such cases, compaction around the existing post or support shall be tamped with a hand block in 50mm lifts, adding moisture (dampen as each lift is applied).

**B) Concrete/Asphalt:**

- Concrete 125 mm thickness; asphalt 65mm minimum thickness.
- Slope as specified on drawings supplied.
- Light broom finish.
- Must be new or if old concrete, appropriately cleaned to ensure proper adherence.
- Asphalt must be at least two weeks old and washed down once prior to application of base material.

**C) Edges: (Refer to manufacturers edge details)**

- Concrete retainer as specified on drawings supplied by project tender and landscape architect.
- Sloping edge 30% minimum.
- Keyway, 50mm width, 100mm depth.