

## SECTION 06650 - PLASTIC LINER FOR CONCRETE SURFACES

### City of San Diego, CWP Guidelines

#### PART 1 -- GENERAL

##### 1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing plastic lining to surfaces of pipes, manholes and other concrete structures.

##### 1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.

- 1. Section 02617 Reinforced Concrete Pipe
- 2. Section 02620 Reinforced Concrete Pressure Pipe, Steel Cylinder Type
- 3. Section 02701 Precast Concrete Manholes

##### 1.3 STANDARD SPECIFICATIONS

- A. Except as otherwise indicated in this Section of the Specifications, the CONTRACTOR shall comply with the Standard Specifications for Public Works Construction (SSPWC), as specified in Section 01090 - REFERENCE STANDARDS.

##### 1.4 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:
  - 1. Catalogue of the manufacturer of plastic liner, including complete data indicating the physical properties and chemical resistance properties as described in Subsection 210-2 of SSPWC, and all details and dimensions per Subsection 210-2.4 of SSPWC.
  - 2. Shop drawings indicating the installation procedures and dimensions and location of all joints or weld strips.
  - 3. Results of all tests made on plastic liner material as indicated herein.

#### PART 2 -- PRODUCTS

##### 2.1 GENERAL

- A. Materials for plastic liner and its installation shall comply with SSPWC, Subsection 210-2.

##### 2.2 TESTS

- A. Tests shall be made on samples taken from plastic sheets, joints or weld strips in compliance with SSPWC, Subsection 210-2.3. However, before testing in conformance with SSPWC, Subsection 210-2.3, the CONSTRUCTION MANAGER, will visually and manually inspect the lining with a putty knife or a similar instrument. Any imperfections

found as a result of all of the above tests shall be repaired per manufacturer's instruction and CONSTRUCTION MANAGER's approval, and surfaces restored before placing the lining in service.

### **PART 3 -- EXECUTION**

#### **3.1 INSTALLATION OF PLASTIC LINER**

- A. Plastic liner shall be installed in compliance with SSPWC, Subsection 311-1.

#### **3.2 LINER ACCEPTANCE**

- A. The manufacturer, applicator, and the CONTRACTOR shall, upon completion of the work, make a field inspection of the lining and installation and shall provide the OWNER a written certificate of work compliance in their respective areas of responsibility.

**\*\* END OF SECTION \*\***