

## **1. Application of Rubber Lining to Concrete**

The concrete should be solid, dense, nonporous (clean sand finish-not water finish) and free from dust and loose particles on the surface to be cemented. There should be no pits or voids under the surface. The concrete should be thoroughly dry.

### **1.1 Surface Preparation**

- If the concrete is contaminated with oil, grease, acid, etc., scrub the surface with a commercial type of nonionic detergent solution
- After cleaning the surface, wash thoroughly with water and allow it dry completely
- Lightly sandblast to remove any latent and loose materials, dust and contaminants
- Where the surface has deteriorated, grind or cut through to good material and remove all dust

### **1.2 Adhesive Instruction**

- Apply one coat of high build epoxy
- Allow it to cure as per manufacturer's recommendations
- Any remaining pits, pockets or rough areas should be filled with epoxy to provide a smooth flat surface for rubber application
- Lightly sandblast to roughen the surface of the epoxy
- Apply primer and cements as per manufacturer's recommendations for film thickness and dry times
- Inspect each coat of primer and cements for complete coverage
- Cemented surface should not be exposed to sunlight or UV light

### **1.3 Rubber Sheet Lining**

- Follow the procedures from "Rubber Lining" of Section 6

### **1.4 Curing**

- Follow the recommendations on the Technical Data Sheet for atmospheric cure time and temperature

## 2. Application of Rubber Lining to Fiberglass Reinforced Plastics (FRP)

This type of the rubber lining is only for brand new tank equipment

### 2.1 Surface Preparation of FRP

- The surface of FRP shall be blasted to a roughened surface
- Remove all blasted materials from the surface of the FRP

### 2.2 Adhesive Instruction

- Apply the primer and cements on the FRP surface as per manufacturer's recommendations
- Allow each coat of primer and cements to dry completely
- Inspect each coat of the primer and cements for complete coverage
- Cemented surface should not be exposed to sunlight or UV light

### 2.3 Rubber Sheet Lining

- Follow the procedures from "Rubber Lining" of Section 6

### 2.4 Curing

- Follow the recommendations on the Technical Data Sheet for cure time and temperature

**Note: Contact your Polycorp representative for information on special cases**