

SECTION 03540

PORTLAND CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Self-leveling portland cement underlayment.

1.02 SUBMITTALS

- A. Product data.

1.03 QUALITY ASSURANCE

- A. Mockup: Produce mockup of a size suitable to demonstrate typical surface finish and texture.
- B. Acceptable Manufacturers: Provide specified products or equivalent products of manufacturers approved not less than 10 days prior to opening of bids. Submit requests for approval in accordance with procedures identified for substitutions specified in Division 1 including any Substitution Request forms and other documentation. Equivalent products of competing manufacturers are acceptable provided they match color and finish characteristics of job-site mock-up.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER:

- A. Provide specified products as manufactured by **Lambert Corporation**, Orlando, FL; (407) 841-2940 or (800) 432-4746.

2.02 MATERIALS

- A. Underlayment Materials: Ready-mixed, 1-part, quick-setting, flowable, self-leveling nonshrink portland cement underlayment designed to be used as a wearing surface or substrate for wearing surfaces. Product shall develop a minimum compressive strength of 4,000 psi, suitable for use over concrete and wood substrates to repair uneven concrete floor slab

surfaces from feather-edge to 1/4-inch thick, or 1-inch thickness over broom finished concrete.

- 1. Product: **Lambco Self-Level; Lambert Corporation.**

- B. Bonding Agent: ASTM C-1059, Type II, non-rewettable acrylic type.

- 1. Product: **Acrylbond; Lambert Corp.**

- C. Epoxy Adhesive: ASTM C 881, two-component, 100% solids material suitable for use on dry or damp surfaces. Provide material type and grade to suit Project needs.

- 1. Product: **Epiweld 580 or Epiweld 560 (Gel) ; Lambert Corporation**

PART 3 - EXECUTION

3.01 PREPARATION

- A. Thoroughly clean surface areas down to solid concrete.
- B. Predampen repair areas with water for not less than 2-hours prior to application of underlayment.

3.02 UNDERLAYMENT APPLICATION

- A. Leveling Floor Surfaces: Prior to placement of self-leveling underlayment, uniformly apply continuous film of acrylic bonding agent or epoxy adhesive. Apply cementitious underlayment material while bonding agent or epoxy adhesive is still tacky. Where bonding agent or epoxy adhesive has dried, apply new coat of bonding agent.
- B. Curing: Keep continuously moist for at least 72 hours, using visqueen or burlap methods.

END OF SECTION