

# Elastideck

**Spray, roller or squeegee applied, acrylic modified, cementitious, flexible, waterproof membrane. Available in 11 standard colors.**

**WHERE TO USE**  
**Decorative coating for balconies, walkways, driveways, planters and parapets.**

## PERFORMANCE CHARACTERISTICS

### Flexible

- Able to bridge minor cracking.

### Waterproof

- Positive side waterproofing membrane.

### Decorative

- Available in 11 colors to complement surroundings.

### Durable

- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.

### Very low permeability

- Resistant to deicing salts, chloride, and chemical attack, and environmental pollution.

### Breathability

- Will not cause damage to structure by restricting moisture vapor flow. Ideal for slab-on-grade.

### Two component

- Pre-measured, pigment liquid with powder in one container for consistent performance.

## SURFACE PREPARATION

- Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
- Remove a minimum 1/16 inch of surface (CSP 5) by abrasive blasting, steel shotblasting, scarifying, needle-scaling or high pressure water.
- Avoid bruising or micro cracking during surface preparation. Refer to ICRI Surface Preparation Guide 03732.
- Apply *Conpro Start* where a consolidant is of benefit.
- Saturate substrate with clean water, (saturated surface dry/SSD), with no standing water during *Priming* or *Application*.

## PRIMING

- No priming is required under normal circumstances.

## MIXING

- Mechanically mix using a low speed drill (400 - 600 rpm) and mixing paddle or mortar mixer.
- Thoroughly shake *Elastideck* Admix to disperse the pigment.
- Pour *Elastideck* Admix into a clean mixing vessel and slowly add all of the powder.
- Mix continuously for 3 minutes to a uniform, lump-free consistency.
- Do not over mix, as this will entrain excess air.
- Do not re-temper.

## APPLICATION

- At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
- Clean and pre-stripe non-structural cracks (up to 1/16 inch) with one 4 inch wide, 50 mils. application of material.
- Dynamic cracks, joints and transitions (wall-to-slab) must be properly detailed with a closed cell backer rod and polyurethane sealant. Refer to SWRI Sealants, The Professionals' Guide.
- Apply 4 - 6 inch wide stripe of material over cured sealant. Embed mesh fabric while material is plastic.
- Apply a 50 mils. coat over the entire surface with a stiff bristle brush, heavy nap roller, sponge float, squeegee or spray.
- Work material into substrate to promote proper adhesion.
- Do not exceed 60 mils. per coat.
- Apply a second coat for waterproofing and longer service life.
- Do not overwork the finish.
- Apply *Super Color Stain HR* in the same color as *Elastideck*.

## CURING

- Protect repair from direct sunlight, wind, rain and frost during curing period.

## CLEAN UP

- Clean tools and equipment with water immediately after use. Cured material must be removed mechanically.

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## COVERAGE/YIELD

- 160 ft.<sup>2</sup>/50 lbs. kit @ 50 mils.

## PRODUCT HANDLING

### Packaging

- 50 lbs. plastic pail contains 25 lbs. of powder and 2-1/2 gallons of Admix.

### Shelf Life

- 18 months when properly stored.

### Storage

- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature or high humidity will reduce shelf life.
- Protects from freezing.

## LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 45°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
- Protect application from precipitation and high wind for at least 8 hours.
- Do not place rubber mats or equivalent on *Elastideck* for 14 days.
- Do not add water.
- Do not re-temper, polymer modified materials.
- Avoid overworking material during placement.

## HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.

## FIRST AID

- In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional. For respiratory problems, remove person to fresh air.

## DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

## TECHNICAL DATA

|                                    |            |  |
|------------------------------------|------------|--|
| Physical state and appearance      |            | White powder and admix   |
| Base                               |            |  |
| Powder                             |            | Portland cement  |
| Liquid                             |            | Milky, liquid emulsion   |
| Polymer                            |            | Styrene acrylic  |
| pH                                 | Wet mix    | >12  |
| VOC                                | ASTM D3960 | Less than 0.15 lbs./gal. (per mixed kit)                                     |
| Setting time                       | ASTM C953  | Initial 120 minutes – Final 300 minutes                                      |
| Elongation                         | ASTM D2370 | 180%   |
| Water vapor transmission           | ASTM E96   | 8 - 10 perms   |
| Resistance to hydrostatic pressure | CRD-48-73  | 100% reduction   |
| Accelerated weathering             | ASTM C1519 | 2000 hours – no effect   |
| Taber abrasion resistance          | ASTM C1353 | 2000 cycles, less than 0.8% weight loss (H22 wheel with 500 grams of weight) |
| Tensile strength – psi             | ASTM C307  | 810  |
| Mandrel bend test                  | ASTM D522  | 1/8 in. @ 68°F and 27°F  |

### FOR PROFESSIONAL USE ONLY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. January 2005.

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