

Conpro Seal

**Spray or brush applied,
Portland cement based slurry,
for negative side
waterproofing.**

WHERE TO USE
**Interior of below-grade spaces
that experience water entry
through walls.**

PERFORMANCE CHARACTERISTICS

Waterproofing

- 2 coats resists 12 ft. hydrostatic pressure.

Durable

- Excellent freeze/thaw stability and abrasion resistance.

Very low permeability

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

Radon barrier

- Stops radon infiltration.

Breathability

- Will not cause damage to structure by restricting moisture vapor flow.

Color choices

- Add *Color K-88 Admix* for decorative options.

SURFACE PREPARATION

- Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
- Grind or abrasive blast (CSP 3) concrete to achieve an open-pored surface. Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Profile (CSP).
- Stop active leaks with *Conpro Plug*.
- Stop weeping water with *Conpro Stop*.
- Saturate substrate with clean water, (saturated surface dry/SSD). Wall should be wet when *Conpro Seal* is applied.

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.
- Pour 6 quarts of potable water into a clean mixing vessel and slowly add all of the powder. Substitute 1 quart of *K-88 Admix* for 1 quart of water to improve performance and curing.
- Mix continuously for 3 minutes to a uniform, lump-free, slurry-like consistency.
- Add up to 2 pints of additional water if needed.
- Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
- Do not over mix, as this will entrain 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 or spray.
- Work the first coat into the substrate using a circular or figure 8 pattern to fill all voids and pores.
- Do not exceed 60 mils. per coat.
- Apply a second coat once the first coat is thumb-print hard.

CURING

- Protect 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.

Conpro Seal

COVERAGE/YIELD

- 150 ft.²/50 lbs. @ 50 mils.

PRODUCT HANDLING

Packaging

- 50 lbs. multi-wall, poly lined bags.

Shelf Life

- 12 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.

LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
- Cold mixing water and low temperature will retard set. Hot water and high temperature will accelerate set.
- Protect application from precipitation and high wind for at least 8 hours.
- Do not add more water than specified.
- Avoid overworking material during placement.
- Do not apply over active leaks. Treat leaks first with *Conpro Plug* or *Conpro Stop*.

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 | | Fine, gray or white powder |
| Base | | Portland cement |
| pH | Wet mix | >12 |
| Water/cement ratio | | 0.65 |
| Density | Wet mix | 93 lbs./ft. ³ |
| Water penetration and leakage | ASTM E514 | 100% reduction |
| Resistance to hydrostatic pressure | CRD-48-73 | 80% reduction in leakage on 12 ft. head of water – 2 inch concrete block |
| | | 7 Days 14 Days 28 Days |
| Compressive strength – psi | ASTM C109 | 5500 6250 6500 |
| Tensile strength – psi | ASTM C307 | 460 560 680 |

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.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CONPROCO CORP. SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.

conproco[®]
CORPORATION

17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820
TELEPHONE 800.258.3500 • FAX 603.743.5744 • WEB ADDRESS www.conproco.com