



## TECHNICAL DATA & PRODUCT DESCRIPTION

### SECTION 1: PRODUCT NAME

PENETRATING FLEXIBLE POLYMER COATING

### SECTION 2: ADDRESS :

EVERLAST CONCRETE TECHNOLOGIES  
2050 South Blvd, #1064 Bloomfield Hills, Mi 48303, USA  
Email : info@everlastconcretetech.com

### SECTION 3: PRODUCT DESCRIPTION

PENETRATING FLEXIBLE POLYMER COATING is a proprietary blend of acrylate in a colloidal liquid base. PENETRATING FLEXIBLE POLYMER COATING is milky white color (dries opaque) odorless, environmentally neutral, zero VOC / VOS penetrant in a colloidal liquid base.

### SECTION 4 : BASIC USE

PENETRATING FLEXIBLE POLYMER COATING is specially formulated to readily penetrate deeply into concrete and once absorbed, becomes part of the internal structure of the concrete. PENETRATING FLEXIBLE POLYMER COATING becomes an integral part of the concrete's substructure, also protecting the surface by providing a protective opaque flexible polymer film coating which durably and tenaciously adheres to the treated concrete's surface after drying.

PENETRATING FLEXIBLE POLYMER COATING chemically provides a deep subsurface water / moisture barrier, while at the same time, providing a flexible vapor-barrier coating on the surface. The simultaneous action of these two barriers combined, quickly and easily lowers concrete's water vapor rate emissions. PENETRATING FLEXIBLE POLYMER COATING renders the treated concrete surfaces stronger, more abrasive, acid, and chemical resistant, as well as, freeze-thaw damage resistant. Some other attributes that PENETRATING FLEXIBLE POLYMER COATING provides to concrete are that it provides internal humidity stability, preserves matrix integrity, improves thermal resistance, adds density, increases strengths, and lowers creep deformation potential. PENETRATING FLEXIBLE POLYMER COATING may also be applied to concrete at any time during its useful lifespan.

### SECTION 5: INSTALLATION SUGGESTIONS

**Note:** For application of PENETRATING FLEXIBLE POLYMER COATING, concrete floor must be clean and free of all residual adhesives, dirt, grease, curing compounds similar etc.

### Limitations:

PENETRATING FLEXIBLE POLYMER COATING is excellent as a single application stand-alone product, when used as a vapor reduction treatment for concrete slabs/floors of 8 pounds of moisture vapor emissions per 24 hours per 1000 square feet, or less, as measured by ASTM F-1869 Calcium Chloride Test. Where moisture vapor emission rates are higher than 8 pounds a pretreatment application of PENETRATING FLEXIBLE POLYMER COATING is recommended.

PENETRATING FLEXIBLE POLYMER COATING is normally applied by pouring directly onto concrete's surface, then uniformly spread at the rate of about 350-400 square feet per gallon, using a medium to long nap paint roller (do not spray on). While spreading PENETRATING FLEXIBLE POLYMER COATING onto concrete's surface, a portion of PENETRATING FLEXIBLE POLYMER COATING deeply penetrates into the concrete while another portion adheres to its surface. Allow to thoroughly dry, then test with calcium chloride method ASTM F-1869. Install flooring per manufacturers recommendation. PENETRATING FLEXIBLE POLYMER COATING dries non-tacky, usually within a 24-hour period.

### SECTION 6: PRECAUTIONS

1. PENETRATING FLEXIBLE POLYMER COATING liquid must not be allowed to dry on glass or contact shiny aluminum, and should be removed, prior to drying, using water. Once dried, PENETRATING FLEXIBLE POLYMER COATING is extremely difficult to remove from surface.
2. Protect areas not intended for coverage.
3. Do not apply on frozen substrate or when temperature is near freezing.
4. For more information read Material Safety Data Sheet.

### SECTION 7: TECHNICAL DATA

**Physical:** Liquid

**Flammability:** None

**Specific Gravity:** 1.08

**3Color:** Milky white (dries opaque)

**VOC / VOS Content:** An insignificant trace of Butyl

**Surface Bond Quality:** Excellent

**Vapor Pressure Reduction:** Excellent

**Paintability:** Excellent

**Clean-up solvent:** Water

**Environmental Impact:** None / Neutral

**User Status:** Friendly

**Odor:** None

**Toxicity:** None

**pH:** +/- 7-8