

Environmental Coatings, Inc.

Environmentally Advanced Solutions

TECHNICAL DATA & PRODUCT DESCRIPTION

SECTION 1: Product Name

IMPENECRETE

SECTION 2: Manufactured by

Environmental Coatings Inc.

36 Eagle Rock Way

Montclair, NJ 07042

Tel. 973-509-9456

Fax 973-509-9460

SECTION 3: PRODUCT DESCRIPTION

IMPENECRETE is a proprietary blend of acrylate in a colloidal liquid base.

IMPENECRETE is milky white color (dries opaque) odorless, environmentally neutral, zero VOC / VOS penetrate in a colloidal liquid base.

SECTION 4: BASIC USE

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

IMPENECRETE 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. IMPENECRETE renders the treated concrete surfaces stronger, more abrasive, acid, and chemical resistant, as well as, freeze-thaw damage resistant. Some other attributes that IMPENECRETE provides to concrete are that it provides internal humidity stability, preserves matrix integrity, improves thermal resistance, adds density, increases strengths, lowers creep deformation potential, and etc. IMPENECRETE may also be applied to concrete at any time during its useful lifespan.

SECTION 5: INSTALLATION SUGGESTIONS

Note: For application of IMPENECRETE, concrete floor must be clean and free of all residual adhesives, dirt, grease, curing compounds similar etc.

Limitations: IMPENECRETE is excellent as a single application stand-alone product, when used as a vapor reduction treatment for concrete slabs/floors of 6 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 6 pounds a pretreatment application of 4EVERCRETE is recommended.

IMPENECRETE is normally applied by pouring directly onto concrete's surface, then uniformly spreading it, at the rate of about 175-200 square feet per gallon, using a medium to long nap paint roller (do not spray on). While spreading IMPENECRETE onto concrete's surface, a portion of IMPENECRETE deeply penetrates into the concrete while another portion adheres to its surface, later being allowed to thoroughly dry, and be covered by flooring material. IMPENECRETE dries non-tacky, usually within a 24-hour period.

SECTION 6: PRECAUTIONS

IMPENECRETE liquid must not be allowed to dry on glass on contact shiny aluminum, and should be removed, prior to drying, using water. Once dried, IMPENECRETE is extremely difficult to remove from surface.

Protect areas not intended for coverage.

Do not apply on frozen substrate or when temperature is near freezing.

For more information read Material Safety Data Sheet.

SECTION 7: TECHNICAL DATA

- Physical: Liquid
- Color: Milky white (dries opaque)
- Odor: None
- Specific Gravity: 1.08
- pH: +/-7-8
- Flammability: None
- Toxicity: None
- VOC / VOS Content: 0
- Surface Bond Quality: Excellent
- Vapor Pressure Reduction: Excellent
- Paintability: Excellent
- Clean-up solvent: Water
- Environmental Impact: None / Neutral
- User Status: Friendly