

## 1. PRODUCT NAME

Enhance 1 (EPC-150):

**Concrete densifier/desiccator  
(liquid-surface applied).**

## 2. SUPPLIER

### Mailing address:

8120 Beddington Blvd., Unit 109  
P.O. Box 51119  
Calgary, AB., Canada T3K 3V0  
Phone: (403) 720-2011

## 3. PRODUCT DESCRIPTION

EPC-150 is a multi-component catalytic hydrosilicate solution engineered for penetration and control of integral moisture and moisture migration in new or existing concrete or masonry.

### Basic Use

EPC-150 is a ready to use surface applied penetrating liquid for interior or exterior surfaces. Maintain or restore problem free moisture levels by process of densification in less time and at reduced costs.

EPC-150 may be used in combination with Enhance™ PMT admixtures. Cured product forms an integral insoluble component of the treated structure. Contains no VOC's. Excellent resistance to many chemicals. Penetrates up to 150 mm on a single application. Available in clear form for use on architectural surfaces. Treated surfaces may have accessory products applied after 72 hours (new concrete - 28 days).

### Limitations

DO NOT dilute or mix with other materials. Protect from freezing. Protect glass, soft metals, and finished surfaces from over-spray. Not for use on coated or sealed structures. Contact Enhance for technical assistance.

## 4. TECHNICAL DATA

Extensive laboratory and field tests support the use of EPC-150 to control moisture levels within concrete structures. Trial application recommended before large areas are undertaken.

## Compliances

Moisture Absorption/Retention  
ASTM C-309 (non-membrane);  
ASTM C-67 Sec. 7  
Suction/Hydrostatic Transmission  
ASTM C-67 Sec. 9  
Chloride Ion/Salt Resistance  
ASTM C-672, C-39, C-192 ;  
AASHTO T259-78  
Friction/Abrasion  
ASTM D2047  
Efflorescence/Chemical Reactivity  
ASTM C-67 Sec. 10, 25, & 29  
USDA & CPAC Approved  
For use on ACI Standard floors  
Class 1,2,3, & 4

## Physical Data

Color: Clear or Lt. Green;  
V.O.C.: 0 lb./ Gal.;  
pH 11.5 ± .5;  
Spec. Grav.: 1.044 ;  
Odor: Neutral;  
Viscosity: <25cps;  
Freeze/Thaw: Stable ;  
Flammable/Flash Point: None.

## 5. INSTALLATION

Surfaces to be treated must be non-coated, free of soil and contaminants. Application may be performed by low pressure spray, roller or brush. Abrasive preparation may be required for steel trowel surfaces or where surface hardeners are present. Scrubbing in may be beneficial.

### New Concrete

Freshly placed concrete must be sufficiently hardened for surface spraying before application. Apply in one even coat according to specifications. If wet curing is to be employed, do not water concrete surface for 2 hours following densifier application.

### Existing Structures

Thoroughly saturate surfaces and remove excess water (puddles) prior to application. Apply two equal coats wet-on-wet to specified yield allowing time for visible penetration between coats - DO NOT allow surface to dry between coats.

## EPC-150 Yield Ft<sup>2</sup> per US Gallon

Low Porosity	200-300
High Porosity	100-200
Extreme Porosity	25-100

## 6. AVAILABILITY AND COST

**Availability:** Contact and authorized Enhance™ supplier.

**Cost:** Contact an authorized Enhance™ representative.

### Packaging:

55 Gal./208 L. drums,  
5 Gal./18.9 L. pails,  
1 Gal./3.78 L. jugs.

## 7. WARRANTY

Enhance ICD (Canada) Inc. warrants its products to be free of defect and when used in accordance with up-to-date published recommendations. Enhance cannot be held responsible for problems caused by other materials, inferior workmanship, or deviance from ASTM concrete standards. Enhance International Inc. reserves the right to have the true cause of any problem determined by appropriate test methods.

## 8. MAINTENANCE

No special maintenance required. See Enhance™ EPC materials for maintenance of concrete structures (see Enhance).

## 9. TECHNICAL SERVICES

Technical services available by writing or calling Enhance. Fax requests to: (403) 275-0964 Email: eiihq@shaw.ca

## 10. FILING SYSTEM

- Product Specification Catalog
- Authorized Installer Manual

[www.enhance-solutions.com](http://www.enhance-solutions.com)

Division 3      Division 9

*“Making Concrete Better”*