

## 1. PRODUCT NAME

Enhance 1 (EPC-120):  
**Concrete densifier (liquid-surface applied).**

## 2. SUPPLIER

**Mailing address:**  
8120 Beddington Blvd., Unit 109,  
PO Box 51119  
Calgary, AB., Canada T3K 3V0  
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## 3. PRODUCT DESCRIPTION

EPC-120 is a multi-component catalytic hydrosilicate solution engineered for general use moisture and chemical protection of new and existing structures containing Portland cement.

### **Basic Use**

EPC-120 is a ready to use surface applied penetrating liquid for interior or exterior surfaces. EPC-120 may be used in combination with Enhance™ PMT liquid pozzolan admixtures for curing and rapid surface hardening (if ASTM C-309 compliance is required, refer to EPC-120C). Available in clear form for use on architectural surfaces. Cured product forms an integral and insoluble component of the treated structure. Contains no VOC's. Treated surfaces are ready for toppings and coatings.

### **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 structures.

## 4. TECHNICAL DATA

Extensive laboratory and field tests support the use of EPC-120 to assist concrete curing and add other beneficial or protective properties to new and existing concrete and masonry structures. Performance improvements occur in curing, surface hardening, control of shrinkage and slab curl. Trial application recommended before any large areas are undertaken.

## **Compliances**

Moisture Absorption/Retention  
ASTM C-309; 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 and free of 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 for time for visible penetration between coats - DO NOT allow surface to dry between coats.

## **EPC-120 Yield Ft<sup>2</sup> per US Gallon**

Cure & Seal	200-400
Seal & Dustproof	200-350
Harden & Densify	150-250

## 6. AVAILABILITY AND COST

### **Availability:**

See Enhance™ dealers.

### **Cost:**

Available from local authorized Enhance™ dealers.

### **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. May be reapplied as required.

## 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