

1. PRODUCT NAME

Enhance EPC (Series 100-300):
**Concrete rehydrator/densifier
(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 is a multi-component catalytic hydrasilicate solution engineered for penetration, residual cement hydration and control of integral moisture in new or existing concrete and masonry.

Basic Use

EPC is a ready to use surface applied penetrating liquid for interior or exterior surfaces. Restore moisture stability in less time and at reduced cost. EPC may be used in combination with Enhance™ PMT admixtures. Cured product forms an integral insoluble component of the treated structure. Contains no VOC's. EPC may be used on architectural surfaces. Accessory materials may be 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 to hydrate and control moisture levels in concrete and mortar. Trial applications recommended when large areas are undertaken.

Testing & Reference

Moisture Absorption/Retention
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
CPAC Approved
Use on ACI Standard floors Class 1,2,3, & 4

Physical Data

Color: Clear or Light 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 contaminant free. Application may be performed by low pressure spray, roller or brush. Abrasive preparation may be required for high density surfaces such as steel trowel finish or where surface hardeners are present. Agitation may be beneficial in some applications.

New Concrete

Freshly placed concrete must be sufficiently hardened before surface spray application. Apply in one or two even coats to meet specifications. If wet curing is to be employed, do not water concrete surface for 4 hours following EPC application.

Existing Structures

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

EPC Yield (ft² / US Gal.)

POROSITY	
LOW	200 - 300
HIGH	100 - 200
EXTREME	25 - 100

6. AVAILABILITY AND COST

Availability:

Contact an Enhance™ supplier.

Cost: Contact an authorized Enhance™ representative

Packaging:

Bulk delivery and totes.
55 Gal./208 L. drums,
5 Gal./18.9 L. pails,
1Gal./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 ICD (Canada) 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 and ESC materials applied by an experienced Enhance™ installer for maintenance of concrete structures (see Enhance).

9. TECHNICAL SERVICES

Request technical assistance:
Fax: (403) 275-0964
Email: eiihq@shaw.ca

10. FILING SYSTEM

- Product Specification Catalog
- Authorized Installer Manual

www.enhance-solutions.com

Division 3

Division 9



“Making Concrete Better”