

1. PRODUCT NAME

Enhance 1 (EPC-300):

Concrete waterproofer (liquid-surface applied).

2. SUPPLIER

Mailing address:

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3. PRODUCT DESCRIPTION

EPC-300 is a multi-component, moderate solids, catalytic hydrosilicate solution engineered for control of integral moisture and moisture migration in new or existing concrete or masonry structures.

Basic Use

EPC-300 is a ready to use surface applied penetrating (up to 300 mm) liquid for moisture control in interior or exterior applications. May also be used for intermediary protection of exposed reinforcing steel members. EPC-300 may be used in combination with Enhance™ PMT admixtures for high performance concrete curing, rapid surface hardening and shrinkage control. EPC-300 reduces or controls efflorescence and gives protection where sulfate soils are identified. Available in clear form for architectural uses.

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-300 on subterranean and containment structures. Performance improvements occur in moisture control, chemical resistance, curing, hardening, shrinkage control and resilience. Trial application recommended before 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 free of contaminants. Application may be performed by low pressure spray, roller or brush. Abrasive preparation may be required for dense surfaces or where hardeners are present. Scrubbing may be beneficial. Use P-300 to prime porous structures.

New Concrete

Freshly placed concrete must be sufficiently hardened for surface spraying before application. Apply in one even coat or two light coats. If wet curing is to be employed, do not water concrete 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-300 Yield Ft² per US Gallon

Sealing & Densifying	200-400
Waterproofing	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. See Enhance™ EPC materials for maintenance of concrete structures and surfaces (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

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