

### 1. PRODUCT NAME

Enhance™ PMT-1RM & 1OS:  
Cement hydrator/densifier  
Integral Admixture (liquid).

### 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

PMT is a multi-component **non-chloride** concrete admixture. PMT improves the overall performance of Portland cement and water in combination as used in concrete and mortar mixes. PMT, a liquid, acts as a catalyst to Portland cement hydration efficiency providing benefits that result from improved cement paste, hydration development characteristics and a reduction of undesirable hydrates. PMT allows greater flexibility in W/C and water content for concrete mixes due to water management.

**Basic Use:** Production of mixtures incorporating Portland cement. For improved hydration performance in a wide range of applications. PMT admixtures are easy to handle and can be dispensed manually or through automated systems. Use Enhance™ EPC surface applied hydrator/densifiers for curing, sealing and conditioning in combination with Enhance™ PMT admixtures.

#### Limitations

DO NOT dilute or mix with other admixture materials. PMT should not come in contact with any other admixture prior to entering the mix. Protect from freezing.

### 4. TECHNICAL DATA

Laboratory and field tests support the use of PMT to improve hydration of concrete. Performance improvements occur in a wide range of mix designs with notable W/C flexibility. Mixes may be designed to optimize pumping, workability,

consolidation, strength development, setting and curing characteristics.

PMT optimized mix designs benefit from take advantage of shrinkage and modulus properties utilizing available concrete constituents including but not limited to “green” designs with elevated fly ash / SCM content. PMT concretes may experience longer service life due to lowered permeability and a chemically stable matrix.

#### Testing & Reference

PMT is an ASTM C494 Type S admixture. Testing confirms that PMT promotes controlled curing and shrinkage, reduction of Ca(OH)<sub>2</sub> and an increase in C-S-H. Chloride Ion/Salt Resistance ASTM C-672; ASTM C-490 AASHTO T259-78 Efflorescence/Chemical Reactivity ASTM C-67 Sec. 10, 25, & 29

#### Physical Data

Color: Opaque  
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 (Dosage)

PMT admixtures as a component of mix design are added at a rate of 10 to 14 fl oz per 100 lbs (650 to 950 ml per 100 Kg) of cement (including cement replacement materials). Best results are achieved between 10 to 12 fl oz per 100 lbs (650 to 800 ml per 100 Kg) of cement.

**Contact Enhance for help selecting the admixture and formulation to best serve your needs.**

#### PMT Dosage (mL / 100 kg)

STANDARD	650
HPC	800

NOTE: See Enhance™ dosage table.

#### Compatibility

PMT-1RM & 1OS may be used with other admixtures. Test before use.

### 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

See Enhance™ EPC materials for maintenance of concrete structures.

### 9. TECHNICAL SERVICES

To request technical and product information, fax or email Enhance. Fax requests to: (403) 275-0964 Email: [eiitech@shaw.ca](mailto:eiitech@shaw.ca)

### 10. FILING SYSTEM

- Product Specification Catalog
- Authorized Installer Manual

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

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“Making Concrete Better”