

Impede® IntraSeal

Integral Water Repellent Admixture for Concrete

DESCRIPTION:

Impede® IntraSeal is a non-chloride, non-corrosive liquid water repellent and efflorescence reducing admixture for use in ready mix concrete. It is formulated to meet ASTM C494 Type S.

Use of **Impede® IntraSeal** in ready-mix concrete:

- Improves Water Repellency
- Increases Durability
- Reduces Efflorescence

Impede® IntraSeal reacts with cement, forming a strong water repelling barrier. This integral protective structure provides unmatched resistance to water penetration throughout the entire concrete matrix.

Impede® IntraSeal is to be used in the following applications:

- Interior and Exterior Slabs and Walls
- Cast-in-Place Concrete
- Stucco

ADVANTAGES:

- Inhibits water transmission through hardened cast-in-place concrete
- Helps reduce calcium salt deposits from coming to the surface causing efflorescence
- Less Concrete maintenance due to the freezing and thawing process

SPECIFICATIONS:

Conforms to:
ASTM C494 Type S.

COMPATIBILITY:

Impede® IntraSeal is compatible with all types of Portland cement, class C and F fly ash, GGBF (slag), silica fume, and approved air-entraining, water reducing, retarding and accelerating admixtures. For best results, each admixture must be dispensed separately into the concrete mix



Middle of Treated Concrete

DOSAGE RATE:

The recommended dosage range for **Impede® IntraSeal** is 5 to 6 ounces per 100 pounds (325 to 390 ml per 100 kg) of cementitious material for standard applications. However, higher dosages can be used for specialty applications. The use of **Impede® IntraSeal** at dosages greater than 10 oz/cwt has the potential to cause strength loss in certain applications. Consult your Technical Sales Representative before proportioning mixes at dosages greater than 10 oz/cwt.

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TECHNICAL NOTE:

Impede® IntraSeal should be added either together or right before the mixing water is batched into the concrete. It is important that it is not added along with other additives at the same time being this may cause a negative reaction with the concrete itself. So if you are also using different additives, be sure to add the chemical in a separate sequence. If, for whatever reason, **Impede® IntraSeal** cannot be dosed either with or right after the mixing water is batched into the concrete, **Impede® IntraSeal** can be added at the end of the batching process.

Efflorescence occurs when excess salts become soluble again from moisture in the environment around the concrete or masonry unit. External sources of moisture can be humidity, rainfall, condensation, or snow etc. When these salts become soluble, they migrate to the surface during the evaporation process, consequently, staining the surface. **Impede® IntraSeal**, as mentioned earlier, effectively reduces moisture from penetrating the surface and may be helpful in stopping salts from becoming soluble and migrating to the surface. It is important to point out, that the addition of **Impede® IntraSeal** alone, will not guarantee the control of efflorescence.

When using **Impede® IntraSeal**, curing of the concrete is not necessary to optimize its strength. However, there can still be benefits achieved by using a solvent based acrylic cure and seal. Such a product can prevent deicing salts from coming into direct contact with the surface of the concrete, thus allowing the concrete to gain durability over the important first two years of its life.

Premiere Concrete Admixtures warrants its products to be free from defects in material and manufacture. There are no other warranties by Premiere Concrete Admixtures of any nature whatsoever, expressed or implied. This information is based on data and knowledge believed to be true and accurate at time of publication and is offered as a resource for the users of our products. Premiere Concrete Admixtures assumes no liability in the use of this information and does not warranty the results obtained for any application. Premiere Concrete Admixtures shall not be liable for damages of any sort, the use or results of this product and shall not be responsible for conditions outside its control, including but not limited to, other materials, design, inspection, workmanship and field conditions. No statement, recommendation, or other information is intended to infringe on any patent or copyright held by others.

If any water-based product, including curing compound, is desired to be applied to the concrete after finishing it is critical that the compound be applied immediately after the last finishing application. The water repellent characteristics of **Impede® IntraSeal** begins to form just prior to final set. If a water-based compound is applied after this occurs, modeling or puddling of the product can be expected, rendering it useless.

PRECAUTIONS:

We recommend using a w/c ratio of .45 or less. If additional workability is desired use in conjunction with UltraFlo® or OptiFlo® water reducers.

Impede® IntraSeal is NOT a curing compound.

Impede® IntraSeal will not correct errors that occur due to not following ACI guidelines. Proper mixing and proportioning of mixes must be incorporated. Mixes should be designed and tested to meet expected performance specifications at the point of placement such as air content, slump, strength, set times, and any other desired result. **Premiere Concrete Admixtures** is not responsible for incorrect use of **Impede® IntraSeal**.

PACKAGING:

55-gallon drums and 250-gallon totes

SHELF LIFE:

36 Months from Date of Manufacture

