

Impede® IntraSeal

Integral Water Repellent Admixture for Concrete

DESCRIPTION:

Impede® IntraSeal is a non-chloride, non-corrosive liquid water repellent admixture designed for use in ready mix concrete.

Impede® IntraSeal provides resistance to water penetration by reacting with the cement to form strong water repellency throughout the concrete structure.

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
- Improves color vibrancy and pigment efficiency in concrete applications
- 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 E 96 Reduced Water Vapor Transmission ASTM C 67, ASTM C 140, ASTM C 642 Reduced Absorption Rates

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 higher than 6 oz/cwt can cause increased strength loss. Consult your Technical Sales Representative for more information.

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.

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TECHNICAL NOTE:

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.

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.

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.

The use of **Impede® IntraSeal** may change the percentage of entrained air in a mix. Therefore, it is **EXTREMELY IMPORTANT** to reestablish an air dosage that results in your desired target.

PRECAUTIONS:

The use of **Impede® IntraSeal** may reduce compressive strengths. Reduction in strength may increase as the dosage of **Impede® IntraSeal** increases. Trial mixes are recommended to determine the required strengths. 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 by not following ACI guidelines. Proper mixing and proportioning of mixes must be incorporated. **Premiere Concrete Admixtures** is not responsible for incorrect use of **Impede® IntraSeal**.

PACKAGING:

55-gallon drums and 240-gallon totes

SHELF LIFE:

36 Months from Date of Manufacture

