

# Impede® IntraSeal

## Integral Water Repellent Admixture for Concrete

### PRODUCT INFORMATION

#### PACKAGING

Packaged in 55 gallon drums, and 250 gallon totes.

#### SHELF LIFE

36 months from date of manufacture.

#### STORAGE

Impede® IntraSeal does not freeze.

#### SPECIFICATIONS/COMPLIANCES

ASTM C494 Type S

AASHTO M 194 Type S

### 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.

### PERFORMANCE BENEFITS

- Promotes water repellency
- Reduces efflorescence
- Increases freeze-thaw resistance
- Does not freeze or separate
- Allows vapor transmission
- Enhances durability for late season exterior flatwork applications
- Enhances colored and stamped concrete

### DOSAGE RATES AND DIRECTIONS FOR USE

**Impede® IntraSeal** is recommended for use at a dosage rate of 6 to 10 oz/cwt of cementitious material. (390 to 650 mL/100 kg)

**Impede® IntraSeal** dosage rate depends on desired performance characteristics, mix variables, and conditions at time of placement. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used.

For best results, each admixture must be batched at separate intervals with the initial or final batch water, and should not come in direct contact with any other admixture until they are mixed in the concrete batch. Admixtures should not come in contact with any dry cementitious material.

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## TECHNICAL NOTES

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, mottling or puddling of the product can be expected, rendering it useless.

**Impede® IntraSeal** is compatible with Portland cements, Portland limestone cements, blended cements, class C and F fly ash, slag cements, silica fume, calcium chloride, and fibers. **Impede® IntraSeal** can be used in all white, colored, and architectural concrete.

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## PRECAUTIONS/LIMITATIONS

**Impede® IntraSeal** is NOT a curing compound.

**Impede® IntraSeal** will not correct errors resulting from improper placement and finishing. 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**.

This product does not contain calcium chloride or chloride containing compounds, and any chloride ions present are in trace amounts resulting from municipal water used during the manufacturing process.

This product is compatible with most other admixtures when added to the mix separately. Always conduct trial batches, prior to job applications, to confirm compatibility and to verify mix results. Contact your technical sales representative before dosing outside of recommended ranges or for assistance with specialty applications.

In all cases, consult the safety data sheet prior to use.

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