



**PERMEATE™**

**HS300 Concrete Sealer / Paint**

**DESCRIPTION**

A ready-mixed anti-degradation sealant

**FEATURES**

- Protects Concrete from
  - Carbonation
  - Salt Damage
  - Freeze
  - Alkali Aggregate Reaction
  - Water
  - Acid and other chemicals
- High Resistance to UV
- High Resistance to Freeze-Thaw Cycles
- High Resistance to Flame
- Keep Dirt/Graffiti off
- No Solvent / No Odor
- Cured with moisture in the air

**PRODUCT INFORMATION**

**Colors**

Clear or ready-mixed with any color, gloss can be available

**Surface Preparation**

Concrete should be set and dry. Surfaces must be clean, dry, and free of dirt, grease, oil, soap, mold, mildew, and other contaminants.

**Application**

- Stir thoroughly before and during use.  
 For best protection, these are 3 recommendations
- (1) Apply one coat of HS300 totaling 150g/m<sup>2</sup>
  - (2) Apply one coat of HS350 at 50g/m<sup>2</sup>  
 Apply one coat of HS300 at 100g/m<sup>2</sup>
  - (3) Apply MagneLine II at 500g/m<sup>2</sup>  
 Apply HS300 at 150g/m<sup>2</sup>

Use (1) for denser concrete  
 Use (3) for concrete with rough surface  
 Usage amount differs widely depending on the density and porosity of the concrete  
 Can be applied with spray, roller, or brush

**KEEP OUT OF REACH OF CHILDREN**

**REFER TO MATERIAL SAFETY DATA SHEET FOR ADDITIONAL HEALTH AND SAFETY INFORMATION**

**TECHNICAL DATA**

Chemical Type	Alkoxy Silane Compound
Form	Liquid
Specific Gravity	1.12
PH	6 for clear, 5.2 to 5.4 with color
Flash Point	54.6 °C
Adhesive Strength	4 to 5 N/mm <sup>2</sup>
Surface Tension	25.6 mN/m
Refractive Index (clear)	1.45
Nonvolatile Matter	87.60%
Curing Penetration Depth	Approximately 1mm
Water Penetration Test	<5% after 7 days
Carbonation Test (Depth)	0mm
Theoretical Coverage	
At 150g/m <sup>2</sup>	300 Sq.Ft./gallon
Theoretical Thickness	
At 150g/m <sup>2</sup>	59µm
Weight Per Gallon	9.3 lbs
Curing Time (reacting with air moisture)	
Set to Touch	1 hour
To Handle	24 hours
Storage Stability	+6months