

# SilaneSeal WB 40



**SilaneSeal WB 40** is a clear, penetrating, waterborne, breathable water repellent for use on concrete. A ready-to-use, low-VOC silane emulsion that reduces the ingress of water and waterborne contaminants that cause premature deterioration of the substrate. SilaneSeal WB 40 will penetrate the substrate and chemically bond with silica to form a permanent attachment of the water-repellent molecule. SilaneSeal WB 40 meets the VOC requirements from OTC & LADCO states that have more stringent VOC regulations than the EPA.

## ADVANTAGES

- ✓ Non-flammable
- ✓ Excellent resistance to chloride ion ingress
- ✓ Reduced efflorescence
- ✓ Breathable system
- ✓ Good penetration into substrate
- ✓ No change in surface appearance
- ✓ High resistance to alkali attack
- ✓ Long service life
- ✓ Keeps substrates cleaner
- ✓ Low VOC Content
- ✓ Ready to use

## PACKAGING

- ✓ 5.00 gallon pail
- ✓ 51.00 gallon drum

## USES

- ✓ Corrosion protection
- ✓ Protects against wind-driven rain.
- ✓ Scaling reduction
- ✓ Highways
- ✓ Parking decks
- ✓ Airport runways
- ✓ Reduces the effects of mildew and efflorescence
- ✓ Water repellency
- ✓ Resists wheel & heavy loads

## SilaneSeal WB 40 PHYSICAL DATA

SilaneSeal WB 40 is a silane emulsion in water.

Color	Milky White
Active Substance	Silane
Active Content	40%
Carrier	Water
VOC	<260 g/l max.

## TEST METHODS

### 90-Day Salt Ponding (AASHTO T-259) (200 ft<sup>2</sup>/gal [4.9m<sup>2</sup>/l] coverage rate)

0.0-0.5" depth

0.5-1.0" depth

1.0-1.5" depth

### NCHRP #244 (@ 200 ft<sup>2</sup>/gal or 4.9m<sup>2</sup>/l)

Series II

Series III

Series IV

### Water Absorption of Concrete (ASTM C-642)

25 Hours  
48 Hours  
50 Days

### Deicer Scaling (ASTM C-672) 100 Cycles (Non-air-entrained concrete)

### Moisture Vapor Permeability of Organic Coatings (ASTM D-1653) 64 grams/ft<sup>2</sup>/24 hours

### Skid Resistance (ASTM E-303) Dry surface No change Wet Surface

## TEST RESULTS

92% reduction or 0.20lbs/  
yd<sup>3</sup> (criteria of 1.5)

95% reduction or 0.00lbs/  
yd<sup>3</sup> (criteria of 0.75)

85% reduction

85% reduction in water  
absorption

87% reduction in chloride  
absorption

98% reduction in chloride  
absorption

0.25 %  
0.48 %  
1.2 %

0 rating

93% breathability

No change  
No change