

# 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.

<b>Color</b>	Milky White
<b>Active Substance</b>	Silane
<b>Active Content</b>	40%
<b>Carrier</b>	Water
<b>VOC</b>	<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	92% reduction or 0.20lbs/ yd <sup>3</sup> (criteria of 1.5)
0.5-1.0" depth	95% reduction or 0.00lbs/ yd <sup>3</sup> (criteria of 0.75)
1.0-1.5" depth	85% reduction

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

Series II	85% reduction in water absorption
Series III	87% reduction in chloride absorption
Series IV	98% reduction in chloride absorption

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

25 Hours	0.25 %
48 Hours	0.48 %
50 Days	1.2 %

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

	0 rating
--	----------

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

	93% breathability
--	-------------------

### Skid Resistance (ASTM E-303)

Dry surface	No change
Wet Surface	No change