



Dow Construction Chemicals

## RHOPLEX™ AS-8008 Flexible Cement Modifier



RHOPLEX™ EI-6000 is the premier aqueous vehicle for concrete sealers. Its 100%-acrylic composition permits it to be used for interior and exterior, vertical or horizontal applications. RHOPLEX EI-6000 has lower coalescent demand than earlier products, so a lower VOC sealer can be easily formulated with very good performance properties. The product literature for RHOPLEX EI-6000, which is posted on the e-Center, includes a standard clear sealer with 90 g/l VOC that satisfies the current SCAQMD requirement of 100 g/l VOC maximum for concrete sealers.

RHOPLEX™ CS-4000 and RHOPLEX WL-91 can also be formulated into clear sealers with very good properties. Sealers based on RHOPLEX CS-4000 have better chemical resistance and hydrophobicity than sealers based on RHOPLEX EI-6000. However, RHOPLEX CS-4000 has a higher glass transition temperature than RHOPLEX EI-6000, so it requires a higher coalescent level in sealer formulations. RHOPLEX WL-91 can be formulated into a sealer, providing excellent performance in areas that require resistance to chemicals, such as automotive fluids in driveways or food and beverages on patios. Sealers formulated with RHOPLEX WL-91 have very good substrate adhesion and hot tire pickup resistance.

A solvent-borne system including PARALOID™ B-66 or PARALOID B-67 is recommended when high demands are placed on hot tire pickup resistance or when adhesion to old masonry, beyond the wetting capabilities of latex, is required.

Concrete sealers based on these products are often spray- or roller-applied by industrial or building contractors for horizontal applications such as warehouse floors, loading docks, pool decks, paving bricks, garages and driveways. Products tend to be judged by their adhesion (with little or no surface preparation), abrasion resistance, water resistance (particularly water-whitening or “blushing”), chemical resistance (gasoline, brake fluid, oil) and hot tire pickup resistance.

### WATER-BASED

RHOPLEX™ EI-6000  
RHOPLEX™ CS-4000  
RHOPLEX™ WL-91

### SOLVENT-BASED

PARALOID™ B-66  
PARALOID™ B-67

A table summarizing the performance attributes of sealers based on these polymers appears on the other side of this page.

Dow Construction Chemicals Concrete Sealer Recommendations					
	RHOPLEX™ EI-6000	RHOPLEX™ EI-6000	RHOPLEX™ WL-91	PARALOID™ B-66	PARALOID™ B-67
Formulation to 100 g/l VOC	+++	+	0	++	-
PARALOID™ B-67	+++	++	+	0	0
Water Whitening Resistance	++	+	+	+++	+++
Hot Tire Pickup Resistance	0	+	+++	+++	+++
Abrasion Resistance	+	++	++	+++	+++
Chemical Resistance	+	++	+++	+	+
Hydrophobicity	+	++	++	+++	+++
Adhesion	0	+	+++	+++	+++
Food Stain Resistance	0	+	++	+++	+++
Good for Interior Use	√	√	√	√	√
Good for Exterior Use	√	√	√	√	√
For Use on Vertical Surfaces	√	√	√	√	√
For Use on Horizontal Surfaces	√	√	√	√	√
+++ EXCELLENT    ++ VERY GOOD    + GOOD    0 AVERAGE    - POOR    √ ACCEPTABLE					