



# SuperSeal 20WB

Product Description Sheet No. SS20WB

## Transparent acrylic water-based curing, sealing, and dust-proofing sealer

### DESCRIPTION

**SuperSeal 20WB** is high solids (25.6%), water based thermoplastic all-acrylic sealer designed for interior or exterior use over all CCI DuraCrete™ systems as well as bare concrete as a curing, sealing, and dust-proofing compound. It is also used as a sacrificial coat over CCI epoxies. It can be applied to bare concrete without the use of a primer, or sprayed on concrete or concrete block, exhibiting excellent water resistance and resistance to water blushing.

### WHERE TO USE

- Schools
- Apartments
- Offices
- Restaurants
- Odor-sensitive locations
- Horizontal and vertical
- Interior and exterior
- Freshly placed and finished concrete
- Aged concrete

### ADVANTAGES

- Good Working Time
- No Odor
- Low VOC's
- Low Water Pickup
- Early Block Resistance
- Quick Drying
- Good Exterior Weatherability

### TYPICAL DATA FOR SuperSeal 20WB

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

**COLOR:** Milky White (Dries Clear)      **VISCOSITY (1):** 285 cps.  
**pH:** 8.2-8.7 (ASTM E-70)      **CONSISTENCY:** Water

#### TACK-FREE TIME

Substrate Temperature 70°F+      To Touch      To Recoat  
30 mins      1.5 Hours

**Film Clarity**      Clear  
**Adhesion**      225 to 350 g/mil (on glass)1  
**Abrasion Resistance**      185 g/mil  
**(ASTM D-658-44)**

#### Stain Resistance (One Hour Exposure)

<b>Ketchup</b>	<b>Excellent (no effect)</b>
<b>Mustard</b>	<b>Excellent (no effect)</b>
<b>"Kool-Aid"</b>	<b>Excellent (no effect)</b>
<b>Grape Juice</b>	<b>Excellent (no effect)</b>
<b>Coffee</b>	<b>Excellent (no effect)</b>
<b>Chocolate Syrup</b>	<b>Excellent (no effect)</b>
<b>Tincture of Iodine</b>	<b>Fair</b>
<b>Coal Tar</b>	<b>Poor</b>

#### Chemical Resistance (One Hour Exposure with no Evaporation)

<b>Used Motor Oil</b>	<b>Excellent (no effect)</b>
<b>DI Water</b>	<b>Excellent (no effect)</b>
<b>10% Sodium Hydroxide</b>	<b>Excellent (no effect)</b>
<b>10% Sodium Chloride</b>	<b>Excellent (no effect)</b>
<b>10% Calcium Chloride</b>	<b>Excellent (no effect)</b>
<b>3% Trisodium Phosphate</b>	<b>Excellent (no effect)</b>
<b>10% Ammonia</b>	<b>Excellent (no effect)</b>
<b>10% Hydrochloric Acid</b>	<b>Good</b>
<b>Brake Fluid</b>	<b>Poor</b>
<b>100 proof alcohol</b>	<b>Fair</b>
<b>Gasoline</b>	<b>Fair</b>
<b>Skydrol</b>	<b>Poor</b>

**Water Blushing Resistance on Black Pigmented Concrete<sup>2</sup>**  
48 hr in Fog Box      **No noticeable effect**

**Water Blushing Resistance on Black Pigmented Concrete<sup>3</sup>**  
6 months      Clear when wet with no visual defects

#### PACKAGING

5-gal pails (18.925 L)  
55 – gal drums(208.17 L) (Special order only)

## **SURFACE PREPARATION**

All substrate surfaces must have all loose and deterioration removed to a sound surface. Concrete and other substrates must be clean, sound, and free of dust, grease, waxes, coatings, curing compounds and all contaminants. Concrete surfaces should be etched with a solution of 1 part Muriatic Acid to 4 or 5 parts water, and washed with high pressure water using a minimum of 3000 psi @ 3 or more gallons per minute. If use of acids and/or copious amounts of water are not possible, the surface should be thoroughly scrubbed, preferably using a buffer type machine with a mild low-suds soap or TSP (Tri-Sodium Phosphate) solution. After scrubbing, rinse the area with clean water and vacuum or mop to remove all water residue. The surface must be allowed to dry completely.

## **PRECONDITIONING POLYMER**

For best results, pre-condition SuperSeal 20WB by storing it in the area to be applied, or at a temperature similar to the ambient conditions for the installation. Using cold material may dramatically extend dry times, and can also result in a permanent whitening of the sealer due to the fact that it is drying on top while still wet underneath. This can also occur when using material that is too hot. For overall best results, store material at room temperature at all times.

## **MIXING**

No mixing is required; however, if material has been stored for a long period of time, a gentle stirring is advisable. Mix in a manner that will not introduce air and create bubbles.

**DO NOT MIX AT HIGH SPEED!**

## **COVERAGE**

**Ft<sup>2</sup>/gal per coat (m<sup>2</sup>/L per coat)**

**Curing only:**

200 – 400 (4.9 – 9.8)

**Second coat (dust-proof/seal):**

400 – 600 (9.8 – 14.7)

**Maintenance applications:**

200 – 300 (4.9 – 7.4)

Coverage varies with application method, porosity, and density of concrete. For curing only, 1 coat may be sufficient; 2 coats, however, will give best results. To seal and dustproof, 2 coats are required.

## **APPLICATION METHODS**

1. Apply a continuous, uniform film by low-pressure spray, short-nap roller, or lamb's wool applicator. Low pressure hand-pump sprayer is recommended for best results.
2. For curing, only 1 coat is necessary. Apply evenly as soon as possible after final finishing. To seal and dustproof, 2 coats must be applied at the recommended rates. Apply the second application when all trades are completed and the site is ready for occupancy.
3. SuperSeal 20WB applied at 40 to 50° F (4 to 10° C) may retain a white appearance for extended periods, depending on temperature variations. This condition should be temporary. Warmer temperatures will allow the material to dry and clear.

## **LIMITATIONS**

- Not to be used on surfaces to receive concrete overlays or additional toppings, coatings, sealers, or ceramic tile (without proper surface preparation).
- Do not use in areas that require resistance to solvents.
- Do not subject to rain or water until SuperSeal 20WB dries hard.
- Do not apply in extremely humid conditions (>70-80%RH)

## **DRYING TIMES**

At 77° F (25° C) and 50% relative humidity. The drying time of water-based materials is directly influenced by temperature and relative humidity. Low concrete or air temperatures or high relative humidity will extend drying times.

Light foot traffic: 4 hours  
Normal traffic: Overnight  
Maximum hardness: 7 days

## **MAINTENANCE**

For maximum life expectancy, routinely sweep and wash floors with appropriate cleaners and detergents. All chemicals or abrasive grit should be removed as soon as possible.

## **IMPORTANT INFORMATION**

Use of safety goggles, chemical-resistant gloves, adequate ventilation and NIOSH/MSHA approved respirator is recommended.

## **CLEAN UP**

In case of spills wear suitable protective equipment, contain spill, collect with absorbent material, place in suitable container. Clean all tools with soap and warm water. Dispose according to applicable local, state, and federal regulations.

## **FIRST AID**

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact Physician Immediately. Wash clothing before re-use.

Consult Material Safety Data Sheet for More Information

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINERS TIGHTLY CLOSED**

**SHELF LIFE** 1 year in original unopened container

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