



Corporate Offices  
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**SEALER 200SD**

**TWO COMPONENT, WATER BORNE  
 ALIPHATIC URETHANE  
 ELECTROSTATIC DISSIPATIVE  
 FLOOR COATING**

**FEATURES**

User Friendly  
 Field and shop application  
 Soap & water clean up  
 Low odor, low VOC's  
 Excellent adhesion and chemical & abrasion  
 resistance

**TYPICAL APPLICATIONS**

Electrical  
 Pharmaceuticals  
 Testing Laboratories  
 Clean Rooms  
 Data Processing

**COLORS:** solid – Consult Dudick, Inc. for color availability.

**PHYSICAL PROPERTIES**

Adhesion, ASTMD-3359	5B over cured epoxy
Tensile Strength ASTMD-638	8500 psi
Tear Strength ASTMD-624 Die C	450 psi
Shore D Hardness, ASTMD-2240	85
VOC % Solids	Less than 35 g/l ≈60%
Chemical Resistance, ASTMD-1308, 24 hour spot test	No effect water 2% Sulfuric Acid, 6% H <sub>2</sub> O <sub>2</sub> , Idophores 2000ppm, Toluene, Xylene, 10% NaOH, 70% ethanol

Consult a Dudick representative for further information on chemical resistance.

**TYPICAL ELECTRICAL PROPERTIES**

ANSI/ESD S20.20

ESD S 7.1 Surface Resistivity (ohms) @ 50% RH and 73°F

10 Volts  $10^6 > < 10^9$   
 100 Volts  $10^6 > < 10^9$

ESD STM 97.2 (body voltage generation)  
 (Prostat PFM 711-A w/charge plate monitor)  
 < 15 volts @ 50±5 % RH

To insure surface resistivity properties, the components of **Sealer 200 SD** must be applied within 30 days of product manufacture. Please refer to storage instructions.

**SPECIFICATIONS**

**Primer 200WB** shall be 4-5 mils WFT, water borne urethane as manufactured by Dudick Inc.

**Sealer 200SD** shall be a two component waterborne urethane coating applied at 6-8 mils WFT as manufactured by Dudick, Inc. Material can be applied by roller in accordance with the manufacturer's recommended practices.

**Sealer 200SD** offers the abrasion resistance and toughness inherent of urethanes. It also provides excellent resistance to UV discoloration, impact and staining.

**ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL**

APPROXIMATE SQUARE FEET PER GALLON
<b>PRIMER 200WB</b>
275-325 ft. <sup>2</sup> @ 4-5 mils WFT
<b>SEALER 200SD</b>
200-275 ft. <sup>2</sup> @ 3-4 mils DFT / 6-8 mils WFT

Quantities shown are for estimating purposes only. Actual field usage may vary.

**APPLICATION INSTRUCTIONS**

**SURFACE PREPARATION**

**Concrete:** Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 80-100 grit sandpaper or the visual standard, CSP-1 from the International concrete Repair Institute.

The prepared surface should have a minimum tensile strength of 200 PSI per ASTM D-4541.

All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263.

Additional surface preparation will be required if an 80-100 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface that must be filled with **\*Scratch-Coat**. (Refer to specified Dudick **Scratch-Coat** separate product bulletin).

**APPLICATION SPECIFICATIONS**

Substrate temperature must be between 50°F and 90°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.

Do not apply **Sealer 200SD** in direct sunlight.

Working life ≈ 60 minutes @ 70° F.

**PRIMING**

**PRIMER 200WB MIX RATIO (BY VOLUME)**

Component A	Pre-Measured Unit
Component B	Pre-Measured Unit

**PRIMER 200WB POT LIFE**

Temperature	PRIMER 200WB
50°F	90 min.
75°F	60 min.
90°F	30 min.

**PRIMING**

**Concrete:** Mix the pre-measured units of **Primer 200WB Component A with Component B**. Prime all concrete surfaces to be coated with **Primer 200WB** at 4-5 mils WFT.

Temperature	Minimum Recoat Time	Maximum Recoat Time
50°F	12 hrs.	10 days
75°F	6-8 hrs.	5 days
90°F	4-5 hrs.	48 hours

**Cure Cycle for Primer 200WB:**

Application of **Primer 200WB** in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading, or evening application may be required. Consult a Dudick representative.

To optimize intercoat adhesion, we recommend application of the basecoat while the **Primer 200WB** is tacky. If this is not possible, the above recoat times must be observed. Exposure of the primer to direct sunlight will considerably shorten the recoat times.



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If recommended recoat times are exceeded, consult a Dudick Representative; sanding or abrasive blasting may be required before the coating, lining or floor topping can be applied.

Sealer 200SD can be applied directly over cured epoxy. Sanding with 150-180 grit sandpaper is recommended.

### SEALER 200SD

Sealer 200SD is provided in pre-measured units. Do not break units down. *Do not dilute!*

### THOROUGHLY MIX COMPONENT A

Mix Sealer 200 SD Component A separately for approximately 3 minutes insuring that the bottom of the pail is thoroughly scraped and material is uniformly mixed before adding Component B. Failure to mix Component A thoroughly can produce out of specification ESD readings of final product.

Add the correct amount of **Component B** to **Component A** and mix thoroughly for 2-3 minutes to achieve a uniform color and consistency. Apply at a rate of 200-275ft<sup>2</sup> (21-26 m<sup>2</sup>) per gallon using a notched squeegee and backroll to achieve uniform coverage. Do not dip and roller apply.

### DRY TIMES

Dry times @70°F (21°C) and 50% RH ,  
Dry to Touch 6 hours  
Dry Time 24 hours  
Full Cure 14 days

For recoat, sanding is recommended after 14 days. Contact Dudick representative if 14 days is exceeded.

### CLEAN UP

Clean all tools and spray equipment immediately after use with warm water & detergent. Acetone may be used as a final rinse.

### SHIPPING

Refer to Material Safety Data Sheets.

### STORAGE

**Protect from freezing!** Sealer 200SD will typically remain stable up to 30 days when stored between 50°F and 75°F. **If frozen, contact Dudick representative.**

### SAFETY

**M.S.D.S.:** Material Safety Data Sheets must always be read before using products. Sealer 200SD is intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If **Sealer 200SD** is to be applied by your own personnel or by a third party contractor, please be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness

of the skin and clothing is critical and must be of paramount concern.

- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Primer 200 & Sealer 200SD** liquid can be removed with soap and water. **DO NOT USE ACETONE.**
- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

**NOTE:** Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser. DUDICK, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTABLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REPAIR OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND DUDICK INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE

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