



**Dudick inc.**

Corporate Offices  
1818 Miller Parkway  
Streetsboro, OH 44241  
330-562-1970  
330-562-7638 FAX  
www.dudick.com

**STERI-COAT 200**

**TWO COMPONENT, WATER BORNE  
ALIPHATIC URETHANE  
WALL COATING  
CLASS A FIRE RATING**

**FEATURES**

- Class A Fire Rating
- Low odor, low VOC's
- Excellent adhesion and chemical & abrasion resistance
- Excellent Stain Resistance
- Soap & water clean up
- Steri-Coat P contributes toward satisfying credit EQ 4.2 under LEED version 3.0**

**RECOMMENDED APPLICATIONS**

- Research Facilities
- Laboratories
- Food & Beverage Facilities
- Hospitals
- High Containment ABSL-3; BSL-4

**PHYSICAL PROPERTIES**

Adhesion, ASTM D-3359	5B over cured epoxy
QUV Resistance, Accelerated Weathering ASTM D-4324/G53	Gloss 95%+ retention after 1000 hours delta E color change – 0.15 after 1000 hours. No blistering, rusting, checking or cracking
Tensile Strength ASTM D-638	8500 psi
Tear Strength ASTM D-624 Die C	450 psi
Shore D Hardness, ASTM D-2240	80
Chemical Resistance, ASTM D-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
VOC	<50 g/l
Flame Rating	Class A
Flame Spread Index	5
Smoke Dev Index	5

Consult Dudick representative for further information on chemical resistance.

**COLORS:** solid – Consult Dudick, Inc. for color chart. Gloss, satin, matte.

**SPECIFICATIONS**

**Primer 200WB** shall be 5-6 mils WFT, waterborne urethane as manufactured by Dudick Inc.

**Steri-Coat 200** 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 or spray in accordance with the manufacturer's recommended practices. **Use Brush application for touch-up or cutting in only.**

**Steri-Coat 200** offers the abrasion resistance and toughness inherent of urethanes. It also provides excellent resistance to UV discoloration and staining.

**ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL**

<b>APPROXIMATE SQUARE FEET PER GALLON</b>
<b>PRIMER 200WB</b>
275-325 ft. <sup>2</sup> @ 5-6 mils WFT
<b>STERI-COAT 200</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 INSTRUCTION

### 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 a 80-100 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

**CMU:** Dudick, Inc. recommends CMU surfaces are lightly abrasive blasted to clean CMU block and to provide a 60-80 grit sandpaper texture of the mortar joints. Care must be taken not to damage CMU.

**Wall Boards:** Consult Dudick, Inc. for preparation methods.

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 **Steri-Coat 200** 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 3-5 mils.

### Cure Cycle for Primer 200WB:

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

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.

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.



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### STERI-COAT 200

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

Mechanically mix the Steri-Coat 200 Component A separately for 1-2 minutes to disperse any pigments or fillers which have settled. Add the correct amount of Component B and mix until a uniform color is achieved.

Contact Dudick representative for recommendations for spray applications.

### 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. Acetone may be used as a final rinse.

### SHIPPING

Refer to Material Safety Data Sheets.

### STORAGE

**Protect from freezing! Steri-Coat 200 will** typically remain stable up to 6 months when stored between 50°F and 75°F. **If frozen, contact Dudick representative. Primer 200WB** components will

have a three-month shelf life. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

### SAFETY

**M.S.D.S.: Material Safety Data Sheets must always be read before using products. Steri-Coat 200** 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 **Steri-Coat 200** 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 & Steri-Coat 200** 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 PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.

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