



**Dudick inc.**

Corporate Offices  
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**SHOCK-CRETE 500 TOPCOAT**

**HIGH SOLIDS, TWO COMPONENT  
SEALER, 5-15 mils, Urethane**

**FEATURES**

- High Solids
- Excellent Color Stability
- Good Stain Resistance
- VOC Compliant
- Fast Cure

**CHEMICAL RESISTANCE**

- |                                |          |
|--------------------------------|----------|
| Water                          | Oils     |
| Solvents                       | Gasoline |
| Sodium Hydroxide - 50%         | Jet Fuel |
| Dilute Organic/Inorganic Acids |          |

**COLORS:** Standard Color Chart available upon request.

**PRODUCT PROPERTIES**

Solids by Volume	95%
Drying Time, 6 mils WFT	3-4 hrs.
CS-17 Wheel	36 mg
VOC	20 grams/liter
Shore D ASTM D2040	70
Tensile ASTM D638	4,100 PSI
Elongation ASTM D 638	110%
Die-Tear ASTM D624	500 PSI
Foot Traffic (per coat)	*≈2-4 hrs.
Full Service	*≈24 hrs.
Chemical Resistance	*≈7 days

**SPECIFICATIONS**

**Shock-Crete 500 Topcoat** offers the outstanding color stability and resistance to UV degradation

known industry wide to be inherent of urethane chemistry.

Toughness, impact resistance, and stain resistance are inherent qualities of **Shock-Crete 500 Topcoat**. Available only in gloss, clear or pigmented. (**Satin / Matte Not Available**)

*Note:* All Shock-Crete products may cure with pinholes in the surface. **Shock-Crete 500 Topcoat** should be flat blade squeegeed tightly across the surface to fill the pinholes. Wait a minimum of one hour before applying Shock-Crete 500 Topcoat at its normal specified thickness over top of the tight pinhole coat.

All Shock-Crete products must be cured for 16 hours before applying any Dudick, Inc. Sealers, including **Shock-Crete 500 Topcoat**.

**ESTIMATING QUANTITIES AND  
ORDER BILL OF MATERIAL**

APPROXIMATE SQUARE FEET PER CONCRETE	
SHOCK-CRETE 500 TOPCOAT	
Coverage Rate (WFT)	100-300ft. <sup>2</sup> @ 5-15 mils
S-10 Solvent	500 ft. <sup>2</sup>

**APPLICATION INSTRUCTIONS**

**SURFACE PREPARATION**





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## SHOCK-CRETE 500 TOPCOAT

**HIGH SOLIDS, TWO COMPONENT  
SEALER, 5-15 mils, Urethane**

**Shock-Crete 500 Topcoat** is exothermic, generating a large amount of heat when initially mixed. A large mass of material can ignite.

Immediately after mixing, pour all of the material onto the floor to dissipate the heat.

*In order to prevent curing problems, thorough and uniform air movement and/or ventilation must be maintained until the system has fully cured. Refer to cure time listed in product data sheet.*

### CLEANING

Use **S-10 Cleaning Solvent** to clean tools and equipment.

### SHIPPING

Refer to Material Safety Data Sheets.

### STORAGE

**Warning:** All Dudick products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction may occur.

All products should be stored in a cool, dry area away from open flames, sparks and other hazards. **Shock-Crete 500 Topcoat** are stable for six months when properly stored at 50°F-75°F.

Excessive heat may cause premature gelling, reduce working time and shelf life.

**Note: Shock-Crete 500 Topcoat Component B** contains aliphatic isocyanates that will react with moisture. Partially used containers should be blanketed with dry nitrogen and tightly sealed if prolonged storage is anticipated.

### SAFETY

**M.S.D.S: Material Safety Data Sheets must always be read before using products.** **Shock-Crete 500 Topcoat** 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 **Shock-Crete 500 Topcoat** 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.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- 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. **Shock-Crete 500 Topcoat** liquid can be removed with S-10 Cleaning Solvent, MEK or lacquer thinner.
- Keep open flames and sparks away from the area where materials are being mixed and applied.
- 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 MERCHANTABILITY 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.

The following is information that may be helpful in selection of proper mixing equipment.

Because of the fast cure of **Shock-Crete 500 Topcoat** liquids, long mixing times are counter-productive. This style mixing blade (pictured below) will help reduce the required mixing time while providing adequate mixing.

This style blade is available from many hardware and home supply stores.

The following is a link showing a quick (1 min) video demonstration.

<http://www.jifflelmixer.com/index.php?category=media&id=videos>

Model 121 SS (Stainless Steel) is best recommendation.



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