

CHEM-COAT INDUSTRIES INC.

PROVEN QUALITY PRODUCTS

TOUGH-SHELL

BLENDING ACRYLIC EMULSION

PRODUCT CODE #593

(V.O.C. Compliant -Water-Based)

PRODUCT DESCRIPTION

TOUGH-SHELL #593 is used for interior or exterior applications where a premium clear durable sealer is required for protecting chemically stained, stamped and architectural colored concrete.

TOUGH-SHELL # 593 is an emulsion of modified acrylic resin. The unique acrylic emulsion of TOUGH-SHELL #593 exhibits great resistance to oil and gasoline products. TOUGH-SHELL #593 is recommended for commercial, industrial and residential use. TOUGH-SHELL #593 can be applied to floors, walls, concrete and brick surfaces.

PRODUCT ADVANTAGES

| | |
|--------------------------------|-------------------------------|
| Non-Yellowing | Re-Coatable And Paintable |
| Easy Application Quick Drying | Prevents Dusting And Spalling |
| Prevents Efflorescence | Time-Proven Quality |
| Low Moisture Transmission Rate | Prompt Customer Service |
| Excellent Base For Adhesives | Prompt Shipping |
| Non-Chalking | V.O.C. – Compliant |
| Non-Blushing | Matte or Gloss Finish |

PHYSICAL PROPERTIES

| | | |
|--|----------------|---------------|
| Color: Milky White/Dries Water Clear | Solids: | 29 + or -1 |
| Tack Free: 20-40 Minutes | Dry to Touch: | 20-40 Minutes |
| Clean Up: Water | Pounds/Gallon: | 8.55 |
| V.O.C. : LBS/GAL <3.40 | Hardness: | Excellent |
| Flammability: None | Do Not Freeze | |
| Spread Rate: 300/400 sq./ft. per gallon average on concrete per coat | | |

Allow 48 hours for total cure, before testing the product.

IMPORTANT

Do a small test in an inconspicuous area before project starts to assure compatibility of all products, and approval. Read all instructions, warnings and limited liability on all product labels and technical sheets before using Chem-Coat Products. For any questions, call: 1-800-511-2769. For Professional Use Only. Shelf life is one year if properly stored in its sealed container. Rotate your stock. TOUGH-SHELL is packaged in 1-gallon units, 5-gallon units and 55-gallon units.

SURFACE PREPARATION

Surface must be clean, dry and free of all foreign contaminants (oil, grease, dirt, dust, cleaners, etc). After cleaning the surface be sure all residue is removed with clean water. Be sure not only to remove all chemical residue but also dust, vacuum or sweep. Read all product labels and instructions. Always do a test area with all products in an inconspicuous area before project starts to assure desired results and compatibility of all products, and approval.

APPLICATION

Product is supplied at the proper consistency for application; dilution will reduce efficiency. TOUGH-SHELL may be applied to many more surfaces as well, but always do a test area first to assure compatibility. TOUGH-SHELL can be applied with an airless spray unit or a short nap roller. If an airless sprayer is not available a brush or a short nap roller may be used, but both may cause foaming/bubbles of the product; which will dry to an undesirable look. For best results use an Airless spray unit. Coat uniformly; leaving no gaps, slips or excess. Do not apply more material per gallon than specified. Apply TOUGH-SHELL to surfaces that are structurally sound and cleared of all dirt, oil, grease and foreign matter. Apply at 350-400 sq.ft/gallon hard porous floors and 250-300 sq.ft./gal on porous floors. A second coat is recommended for long-term durability. After application of the first coat, a second coat may be applied, typically, when the surface has dried tack free. Material will dry in less than 4 hours at 72°F. Apply second coat at 400-450 sq.ft/gal. Coverage will depend on the porosity of the concrete. Read all instructions, warnings and limited liability on all product labels and technical sheets before using Chem-Coat

AVAILABILITY

1-Gallon Units, 5-Gallon Units, 55-Gallon Units

HEALTH AND SAFETY

- 1) Use of respirators is mandatory when using this product in confined areas.
- 2) Use only with adequate ventilation.
- 3) If swallowed, do not induce vomiting. Seek medical attention immediately.
- 4) Use of gloves, goggles and other protective clothing is advised when using this product.
- 5) Follow all State and Federal regulations when using this or any other product.

WARRANTY

CCI warrants that at the time and place we make shipment, our material will be of good quality and will conform without published specifications in force on the date of acceptance of the order. **DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. CCI cannot, however, under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As CCI has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for specific application and /or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine suitable products for specific application and assume all responsibilities in connection therewith.

