

# Technical Data Sheet



## 1.0 PRODUCT NAME

### DURO CURE™ RTU

Chemical Curing and Hardening Compound  
Water-Based. Silicate Salts Composition.

## 2.0 DISTRIBUTOR

### CONSPRO CORPORATION

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## 3.0 PRODUCT DESCRIPTION

Duro Cure™ RTU is a ready-to-use sprayable liquid for sealing; curing and hardening freshly placed or aged concrete. Duro Cure™ RTU reacts with chemicals present in concrete to form a hard insoluble gel within the concrete pores sealing small voids and surface porosity. Duro Cure™ soaks down through the pores of the concrete 1/8 to 1/4 inch deep. Unlike surface coatings, Duro Cure™ RTU hardening treatment is not worn down by heavy traffic on industrial or warehouse floors.

## 4.0 TECHNICAL PRODUCT DATA

### 4.1 PRODUCT PHYSICAL DATA

Solids, % by Weight.....  $15 \pm 2 \%_w$   
Weight per Gallon.....  $9.25 \pm 0.5 \text{ lbs./gal}$   
Shelf Life..... 6 - 12 months.  
Freeze - Thaw Stability..... 0-1 cycle.  
Odor..... None to very bland.  
pH .....  $11.75 \pm 0.5$   
Specific Gravity..... 1.12  
Appearance..... Translucent Red Liquid .  
Dilution Ratios Hardening (DC-RTU : Water).  
First Coat: 1:2 Second Coat: 1:1 Third Coat 1:1  
All Additional Applications 1:1 or neat material.

4.2 Fresh concrete treated with Duro Cure™ will retain the mixing water during curing, producing greater compressive strength concrete due to complete Portland cement hydration. Duro Cure™ can also be used to renovate and seal aged

concrete surfaces to provide a tough lasting wear-resistant finish. Duro Cure™ curing and hardening compound contains no wax, oils or resins and produces trouble-free bondable surfaces. Duro Cure™ will not affect the future application of most paints, tile adhesives, mastics or concrete bonding agents when used as a curing compound.

4.3 If used as a hardening additive concrete surface porosity will be sealed and the bonding properties of the concrete will change. Always conduct test trials to determine the bonding of the DURO CURE™ RTU sealed concrete to concrete patching materials, epoxies, floor paints and sealers before applying

## 5. INSTRUCTIONS FOR USE

### 5.1 *Curing Fresh Concrete*

5.1.1 Curing concrete requires a surface seal of Duro Cure™ to retain mixing water. Apply Duro Cure™ RTU (no diluting) using a low-pressure sprayer at a rate of 200-400 ft²/gal.

5.1.2 For roof slabs flood roof with water after placing fresh concrete. After 72 hrs. drain roof water, and clean cement dust with water hose or high pressure water jet. Apply Duro Cure™ RTU at a rate not greater than 200 ft²/gal to the clean, damp roof slab. Duro Cure™ treatment will seal and harden the concrete roof preventing problems like roof leaks, moisture spots, and water damage. Roof curing process will be enhanced by using this product.

5.1.3 For walls and parapets, apply Duro Cure™ RTU (no dilution) with sprayer at 200-300 ft²/gal after removing forms. Two applications at 400 ft²/gal will produce better results for dense, high strength concrete.

5.1.4 Duro Cure™ RTU does not comply with the ASTM C-309 standard because it is not a film forming curing compound.

### 5.2 *Dust Proofing and Hardening*

5.2.1 For hardening against wear, acid and moisture, and for oil proofing concrete, two or more applications of diluted Duro Cure™ RTU are required. New concrete surfaces must be thoroughly clean and at least 30 days old before applying the hardening treatment.

5.2.2 Dilute Duro Cure™ RTU before application 1:2 with tap water, for the first coat and 1: 1 for the second coats and subsequent applications. Apply Duro Cure™ RTU by mop or spray. Repeat

application one or more times allowing 24 hours between each coat. When concrete pores become saturated with white or frosty streaks, blooming will form and treatment will be complete. Wash bloom away with water and allow area to dry for 24 hrs. Concrete floor surface has been hardened and dustproofed.

## 6.0 PACKAGING AND AVAILABILITY

Duro Cure™ RTU is packaged in:

- 55 gallon drums.
- 5 gallon plastic pails.

Product is available at construction products distributors, industrial suppliers and home improvement stores. Contact Conspro Corp. for additional information on retailers and pricing in your area.

## 7.0 STORAGE RECOMMENDATIONS

**7.1** Product spills are slippery. In case of spillage mop up or dike spill. Absorb with inert materials. Small residues can be neutralized and then flushed with water. Place residues into appropriate container, and dispose of in accordance with applicable local regulations. Dried BULL-BOND® Duro Cure™ RTU forms a glass like skin that can cut skin. Dried films are removed with a scrapper or sharp blade. Can damage glass surfaces if not promptly removed from glass.

**7.2** Do not store in high heat conditions or in direct sunlight for prolonged periods of time.

**7.3** Do not store BULL-BOND® Duro Cure™ RTU below freezing temperatures. Prolonged freezing may damage contents. Do not store product with acids, ammonium salts and reactive metals.

**7.4** Product has a shelf life of 6 months if properly stored in original factory sealed containers at 60°F to 90°F.

**7.5** Close container tightly. For professional and industrial use only.

## 8. COVERAGE AND YIELDS

**8.1** Used straight as a curing compound Bull-Bond® Duro Cure™ RTU yields from 100 to 200 square feet per gallon. Do not exceed maximum application rate of 200 ft²/gallon.

**8.2** Used as a dustproofing and hardening

treatment Duro Cure™ RTU yields from 200 to 300 square feet per gallon of neat material.

## 9.0 SAFETY AND FIRST AID

**9.1** Material is considered an irritant. Can cause eye, skin and digestive tract irritation. **READ INSTRUCTIONS AND MSDS BEFORE USE.**

**9.2** Use safety glasses, rubber gloves and work clothing during use. Avoid skin and eye contact. Avoid breathing mists and use with ventilation. Seek medical attention for all overexposures.

### 9.3 First Aid Measures

**Inhalation** – Mists can cause irritation. Remove to fresh air. Seek medical attention if irritation persists.

**Eye and Skin Contact** - Promptly wash eyes with plenty of water for 15 minutes. Consult a physician if irritation persists. Wash skin immediately with abundant water. Remove contaminated clothing and shoes.

**Ingestion** - Harmful if swallowed. Do not induce vomiting. Dilute by drinking water or milk of magnesia. May cause irritation of the mouth, throat, or stomach. Call a physician immediately.

**9.4** KEEP PRODUCT OUT OF REACH OF CHILDREN. Children can fall into open bucket and drown. Use with adequate ventilation. Wear eye protection and rubber gloves when handling product. **Read MSDS Before Use.**

## 10.0 DISCLAIMER

CONSPRO CORPORATION products are designed to be used by competent persons in accordance with current published instructions and technical data. These materials are for use in the construction industry trade or for professional or industrial use. We can not be responsible for problems caused by inferior workmanship, conditions unknown or beyond our control, or by the use of faulty secondary materials integrated to our product's final system use.

To be valid, all defective product claims must be received in writing; 180 days from the day of shipment or delivery. No claims will be considered without such written notice or after the specified time interval.

CONSPRO CORP. will promptly investigate all reported claims. Our investigator will prepare a written/oral report describing the nature of the

problem and his explanations for the reported difficulties. An authorized officer of the Corporation will handle all complaints and resolve any pending problems after this point.

The user shall determine the suitability of the product for his intended use before application and/or use. The user assumes all liabilities and risks whatsoever in connection the use and application of the product.

All claims are voided if product is used contrary to CONSPRO CORPORATION published instructions.

**For more information on this product check our web pages at:**

[www.conspro.com](http://www.conspro.com)

**and** [www.bull-bond.com](http://www.bull-bond.com).

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## **11.0 PRODUCT WARRANTY**

CONSPRO CORPORATION, (SELLER) WARRANTS THAT IF ANY GOODS SUPPLIED PROVE DEFECTIVE IN WORKMANSHIP OR MATERIAL, THE SELLER SHALL REPLACE THEM OR REFUND THEIR PURCHASE PRICE.

THIS WARRANTY IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS WHICH ARE HEREBY DISCLAIMED. IT IS UNDERSTOOD AND AGREED THAT BUYER'S SOLE REMEDY, AND THEREFORE SELLER'S LIABILITY, WHETHER IN CONTRACT, TORT, UNDER ANY WARRANTY, IN NEGLIGENCE, OR OTHERWISE SHALL BE LIMITED TO THE RETURN OF THE PURCHASE PRICE PAID BY PURCHASER OR REPLACEMENT OF ANY DEFECTIVE GOODS SOLD BY SELLER AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

THE PRICE STATED FOR THE GOODS IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY. ACCORDING TO LAW, ANY LIABILITY OR RISK RESULTING FROM THE USE OF THIS PRODUCT IS ASSUMED BY THE PURCHASER/USER EXCEPT WHERE A SPECIFIC WARRANTY IS PROVIDED BY THE MANUFACTURER IN WRITING.

BEFORE APPLICATION, THE PURCHASER OR USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE AND PURCHASER/USER ASSUMES ALL LIABILITIES AND RISKS WHATSOEVER IN CONNECTION THEREWITH. THE TERMS OF THIS WARRANTY NOTICE MAY NOT BE ORALLY MODIFIED. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.

ALL WARRANTIES ARE VOIDED IF PRODUCT IS USED CONTRARY TO CONSPRO CORPORATION WRITTEN INSTRUCTIONS AND TECHNICAL DATA SHEETS.