



ChemMasters®

ChemRub

Rubbing and Resurfacing Compound
for Vertical and
Overhead Concrete

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

ChemRub is a cement based compound for rubbing and resurfacing vertical or overhead concrete surfaces. It is specifically formulated to fill small voids and imperfections in concrete.

USES

- Interior or exterior, new or old, vertical and overhead concrete surfaces
- Formed and poured, cast in place walls, tilt-up walls
- Precast walls, beams, single and double tees, steps
- Repair surface damage due to shipping and assembly of precast members
- Fill voids, bug holes, narrow cracks, surface imperfections
- Creates a uniform color and appearance

ADVANTAGES

- Superior bond and tensile strength
- Excellent finishing characteristics for smoothing rough walls and beams
- Allows water vapor transmission for durable finish without popouts or blisters
- Restores the color and texture of damaged or stained older concrete
- Light gray color blends with most concrete tones
- Special color matching services available for architectural shades, subject to minimum quantities and 10 to 14 day delivery schedule

TECHNICAL DATA

Estimating Guide (surface condition will effect coverage.)

Poured & formed walls	2 lbs /yard ² (1 kg / m ²)
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Test Data

ASTM C109 Compressive Strength 28 day	psi (MPa) 5000 (34)
ASTM C109 Tensile Strength 7 day 28 day	psi (MPa) 225 (1.55) 400 (2.76)
ASTM C67 Absorption	24 hours 3.25%
TT-P-0035 Shore D Hardness	50 @ 21 days
Freeze/Thaw	100 cycles - pass
Pot Life	30 minutes at 70°F (20°C)
Application Temperature	40 to 90°F 4 to 32°C
Full Cure	24 hours

DIRECTIONS

Surface Preparation: Substrate to be rubbed or resurfaced must be clean and free of any form release agents, curing or sealing compounds, paint, oil, grease or other contaminants that interfere with the adhesion of **ChemRub**.

Packaging Product Number

50 lb (22.7 kg)

60 per pallet



ChemMasters®

An American Owned & Operated Company

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Deep holes, voids or honeycombs, over 0.5 in. (12.7 mm), are more easily filled with **ChemPatch VO1** prior to initiating **ChemRub** application. Consult technical data sheet for mixing and application directions. Prior to applying **ChemRub**, thoroughly wet substrate by fog spraying with potable water. Keep surface to be rubbed moist throughout application. Remove any standing water. **Water Requirements:** 1.0 to 1.25 gallons (3.8 to 4.7 L) of water are required for each 50 lb.(22.7 kg) bag. This mix ratio yields a thick creamy mixture with excellent handling characteristics.

Mixing: Do not mix more material than can be placed within 30 minutes. Pour measured amount of water into clean pail or other mixing container. Gradually add dry **ChemRub** powder to water and blend using a heavy duty mechanical drill equipped with a jiffiler type blade. For best results, use a slow speed and keep blade below the surface of the mixture to avoid entraining air. Mix for 2 to 3 minutes until smooth and lump free. Allow mixed **ChemRub** to rest for 8 to 10 minutes. This induction period creates a thickened mixture which spreads easily and hangs well on vertical and overhead surfaces. If mixture appears too thick after waiting period, a small amount of water may be added and blended to produce desired consistency. Do not retemper after this final addition of water.

Application: Do not apply if ambient or surface temperature is or is expected to go below 40°F (4°C) for twenty-four hours after application. During extremely hot weather, over 90°F (32°C), cool substrate with water or apply early in the morning or late in the afternoon when temperatures are at their lowest. Apply using a sponge float or trowel depending on final finish desired. Begin by filling voids, honeycombs and imperfections. Work **ChemRub** into surface. Use adequate pressure to insure no air pockets or voids remain between substrate and **ChemRub**.

After filling low areas, apply a thin coat of **ChemRub** to entire surface to create a smooth, uniform finish. If necessary, a second coat may be applied after first coat has taken initial set but has not fully cured.

Curing: **ChemRub** is self-curing and obtains full cure after twenty-four hours. Under extremes of high temperature, low humidity or high wind, occasional fog spraying with clean potable water during cure cycle is recommended. Protect surface from driving rain or water for first twenty-four hours.

Cleanup

Prior to material drying and hardening, clean tools and equipment with water. If material sets and hardens, mechanical removal is required.

Storage:

Store unopened bags on pallets in cool, dry area. Shelf life of properly stored material is one year from date of manufacture.

Limitations

- Do not apply to frozen or frost filled surfaces or over standing water
- Consult ChemMasters technical service department for recommendations when applying to horizontal or traffic bearing surfaces
- Cretelox, acrylic latex admixture, may be used to replace part of the standard water requirement when resurfacing very smooth surfaces or difficult substrates

Caution

Contains Portland Cement and hydrated lime. Do not take internally. Avoid prolonged contact with eyes or skin. Wash thoroughly after handling. Keep out of the reach of children.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.