



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Level-Top™

Supreme

Traffic Grade, Industrial,
Interior, Self-Leveling,
Resurfacer, and Overlayment

P R O D U C T D A T A

DESCRIPTION

ChemMasters' **Level-Top Supreme** is a cementitious self leveling industrial floor resurfacing product designed for interior structural floors. It is a single component traffic grade product.

USES

- Level existing interior concrete floors
- Smooth rough surfaces on new poured in place or precast concrete floor
- Repair severely spalled or deteriorated floors in industrial or commercial applications

ADVANTAGES

- No shrink with excellent bond and flexural strengths
- Self leveling thickness ranging from featheredge to 4" (10 cm)
- Accepts foot traffic in 4 hours
- Does not contain gypsum-will not dust or powder
- Easy placement with standard equipment reduces labor costs
- Compatible with most tile and carpet adhesives, polymer, and acrylic coatings
- Can be polished

DIRECTIONS

Compressive Strength ASTM C109

Days	psi
1	4000
7	5000
28	8000

Physical Properties

Working Time	20 minutes
Set Times ASTM C191 Vicat Method	
Initial	1 hour
Final	1.5 hours
Hard Dry Time	
Light Traffic	12 to 24 hours
Wheeled Traffic	48 hours
Application Temperature	50 to 90°F (10 to 32°C)
ASTM C 944 Abrasion Resistance	1.0 gram
ASTM C 348 Flexural Strength @ 28 days	1150 psi (8MPa)
Water Required / bag	4.5 quarts (4.3 liters)
ASTM C157 Shrinkage @ 28 days	0.06%

Packaging Part Number

50lb (22.7 kg) bags	56 per pallet	F 2230.50
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Estimating Guide per bag

Thickness inches (cm)	Coverage ft ² (m ²)
0.125 (0.32)	46 (32)
0.25 (0.64)	23 (2.1)

Yield and Extended Yield

Yield	Extended*
0.48 ft ³ (0.014m ³)	0.54 ft ³ (0.015m ³)

*extended yield: 25lb (11.3kg) #10 mesh US sieve aggregate

Substrate Preparation: Remove unsound concrete including loose, frozen, broken, or carbonated surfaces, curing or sealing compounds, or coatings. Refer to International Concrete Repair Institute Guideline 03732 for floor preparation. Fill large cracks, holes, and voids with ChemMasters' **ChemSpeed™ 75** within 36 to 48 hours before placement. Contraction and control joints must be maintained through the underlayment. Mark their location for later saw cutting of **Level-Top Supreme**.

TECHNICAL DATA



ChemMasters®

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Ceramic, quarry tile, terrazzo, wood, and tile or cutback covered surfaces require special attention. Consult ChemMasters' Technical Service Department for specific recommendations.

Priming: Mix **Polyweld Bonding Agent & Primer** 1: 1 volume with clean potable water and apply to clean dry prepared surface with a broom, brush, or short napped roller at a rate of 200 ft² per gal (5m²/L). Apply an even coat removing any puddles. To fully seal very porous surfaces a second coat may be required. Place **Level Top Supreme** once the primer is dry to the touch and within 48 hours of primer application. Keep primed surface clean and protected from abrasion.

Hand Mixing/Hand Pour:

Tools: Mixing barrel, gauged spreader, porcupine roller, and 0.50 inch (1.3 cm) or larger, heavy duty drill fitted with a mixing prop or jiffler blade.

Mixing: Mix each 50 lb (22.7kg) bag of **Level-Top Supreme** with exactly 4.5 qt (4.25 liters) of potable water. **DO NOT OVER WATER.** Add **Level-Top Supreme** to the water in the barrel at a steady rate while mixing with a drill and paddle. Mixing 2 to 3 minutes should achieve a lump free mix.

Maximum thickness of Level-Top Supreme in a neat system is 1.25" (3 cm). For thickness >1.25" (3 cm) **Level-Top Supreme** may be extended with up to 25 lbs (11.3kg) of # 10 Mesh US sieve aggregate. Add aggregate extension following initial mixing and blend until evenly dispersed throughout batch. The addition of aggregate reduces flow and leaves a rough surface. Do not add more water to increase flow.

Pour: Pour **Level-Top Supreme** onto the area to be leveled. Spread out using gauged spreader tool set to the desired depth. Use spiked roller to disperse air bubbles. Repeat mixing and pouring until installation is complete. Use a smoother for touchups. Pour into leading edge of previous pour before initial set and spread to avoid low spots between pours.

Pump Application: For specific pump methods and installation contact ChemMasters' Technical Service Department for recommendations. Generally **Level-Top Supreme** is pumped through a hose to the application site. The applicator lays down a succession of 3 to 6" (7.6 to 15cm) ribbons of material pumping into the leading edge of the preceding section. Depending on the pump used,

10,000 to 50,000 ft² (900 to 4500 m²) at 0.25in (0.6cm) can be placed per day. Use within 20 minutes of mixing. For best results ambient and surfaces temperatures should be between 50 to 90°F (10 to 32°C).

Cure and Sealing

Air cure **Level-Top Supreme** for 3 days and wash with warm water and mild soap to remove any dirt and polymer from the surface. Let surface dry and apply ChemMasters' **Polyseal™ WB, Safe Seal, or SafeCure & Seal 309** to seal **Level-Top Supreme**.

Clean Up

Clean tools and equipment with water before material dries and hardens.

Storage

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

Limitations

- Exposure to direct sunlight and draft should be avoided during and shortly after placement of **Level-Top Supreme** due to the possibility of cracking and bubbling.
- Follow standard concrete placement practices in very cold or very hot temperatures
- Do not place when air or surface temperature is below 50°F (10°C)
- **Level-Top Supreme** is formulated for interior use only. Do not place in areas subject to freeze/thaw cycling

CAUTIONS

Causes irritation to eyes. May cause skin irritation, sensitization, and chemical burns. Respiratory tract irritant. Use with adequate ventilation. Do not take internally. See SDS for proper handling instructions.

Keep out of 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 SAFETY DATA SHEET 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.