

# W3000 XLF

## Large & Heavy Format Mortar

Ultra Premium quality medium bed and thin set mortar, specially formulated for the installation of large and heavy tiles, marble and stones. This polymer-enriched high performance and high deformability mortar is recommended for thicker applications of 1/4" to 3/4" (6.35 to 19 mm), minimizing lippage, slump and sagging on floors and walls. Recommended for interior or exterior commercial, industrial and residential applications.

### USES

- Specially formulated for the installation of large (over 20" x 20" per NTCA guidelines) and heavy tiles and stones.
- For marble, granite, mosaic, natural stones, porcelain and ceramic tile installation on floors and walls on interior and exterior surfaces.
- Acceptable Surfaces: Completely cured concrete (at least 28 days), mortar beds, masonry, drywall, unglazed tile, terrazzo, stone, and waterproofing and crack isolation membranes (i.e. W151 Barrier Ultra).
- Suitable for exterior grade plywood CSA-0121 (in dry interior residential areas), gypsum and backed interior board "Wonder Board", when treated with a waterproofing and crack isolation membranes (i.e. W151 Barrier Ultra), per installation guidelines in standard ANSI A108.11.

### LIMITATIONS

- Install only within the recommended temperature range: 40°F to 95°F (4°C to 35°C).
- Do not use for installing resin backed tiles, dark marble, green marble, or moisture sensitive agglomerate.
- Do not install over hardwood surfaces, plywood type luan, parquet or particle board.
- Do not use for leveling floors or applications exceeding 3/4".
- Do not install over padded vinyl floors or adhesives, sponge back containing asbestos or residues, metal, fiberglass or OSB walls.

### INDUSTRY STANDARDS

- ANSI: Exceeds bond strength requirements per ANSI A118.4, ANSI A118.11 and ANSI 118.15.
- ISO 13007: Classification C2, T, E, H, S1 & P1.



LEED® Program: MR Credit 5, Regional Materials (up to 2 points).

\*The use of this product can help provide valuable points for LEED (Leadership in Energy and Environmental Design) certification of projects in the categories listed above. Points are awarded based on input from all materials used in the project.

### TECHNICAL DATA

Test Method	Specification	Results
ANSI A118.11: Quarry Tile Shear Strength	>150 psi (1.03 MPa), 28 days	Pass
ANSI A118.15: Porcelain Mosaic Shear Strength	>400 psi (2.76 MPa), 28 days	Pass
ANSI A118.15: Shear Strength, Glazed Wall Tile Shear Strength	>450 psi (3.10 MPa), 7 days	Pass
ANSI A118.15 E: Extended Open Time Shear Strength	≥72.5 psi (0.5 MPa), 30 minutes	Pass
ANSI A118.15T: Sag on Vertical Surfaces	<0.02" (<0.5 mm), 20 minutes	Pass
ANSI A118.15 H: Large and Heavy Tiles Mortar	<1/64" (0.4 mm), per ASTM C-627 Robinson Floor Test	Pass

Note: Products meeting ANSI A118.15 exceed performance standards of ANSI A118.4.

### PROPERTIES & PERFORMANCE

Product Performance Properties at 73°F (23°C) and 50% relative humidity	
Working time*	30 minutes
Pot life*	> 4 hours
Time before grouting*	8-16 hours (walls) / 24 hours (floors)
Time to traffic	24 hours
Shelf life	1 year
VOCs	0 g/L

\* Installation time, pot life and time before grouting will vary based on jobsite conditions.

### PACKAGING

Product Code	Size	Color
WE0810901	50 lbs.	White

### TROWEL GUIDE & COVERAGE

Typical Trowel Sizes		Coverage
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm)		75 to 90 sq. ft. (6.97 to 8.36 m²)
1/4" x 3/8" x 1/4" (6 x 10 x 6 mm)		55 to 65 sq. ft. (5.11 to 6.04 m²)
1/2" x 1/2" x 1/2" (12 x 12 x 12 mm)		38 to 45 sq. ft. (3.53 to 4.18 m²)
3/4" x 9/16" x 3/8" (19 x 14 x 10 mm)		25 to 30 sq. ft. (2.32 to 3.79 m²)

\*Trowel dimensions are joint width x depth, x notch space. Coverage depends on substrate condition, tile or stone selected and notched trowel used.

### SURFACE PREPARATION

Surface preparation must be according to prevailing TCNA and ANSI guidelines and recommendations. Mechanically eliminate all paint, weak or loose topcoats. All surfaces must be in good structural condition, clean, dry and free of any contaminants that can affect product adhesion. Concrete and plaster surfaces must be: porous, fully cured and should not be subjected to hydrostatic pressure. Surfaces with installed tiles or slabs, must be well bonded and sanded thoroughly. For installation of porcelain thin slab panels or installation over exterior grade plywood CSA-0121 (in dry interior residential areas), gypsum and backed interior board "Wonder Board", follow TCNA and ANSI guidelines or call our Technical Department before proceeding.

## CONTROL & EXPANSION JOINTS:

It is generally recommended to provide for a movement joint every 18-20 ft when installing tiles on interior surfaces and 10-12 ft when installing on exteriors. Follow ANSI A108.01-3.7 and TCNA Method EJ171 to provide for control and expansion joints. Do not cover expansion joints with mortar.

## MIXING

1. Use a clean container for mixing. Pour approximately 1 to 1 ¼ gallons (4.5 to 5.7 L) of clean, cold water per 50 lbs. bag.
2. Gradually add Weco® W3000 XLFT™ to the water. Mix with a paddle or an electric drill at low speed (approximately 300 rpm) to avoid air entrapment, and stir while achieving a smooth consistency with no lumps (approximate time: 5 minutes).
3. Let the mix rest for 1 minute and mix again for an additional (1) minute.
4. Do not use if let dry in container. Stir occasionally without adding additional water.
5. Wash hands and tools with water immediately after mixing.

## APPLICATION

1. Use a proper sized notched trowel to assure full coverage, on tiles and substrate.
2. Apply mortar with notched side of trowel on the substrate at a 35° or 40° angle, to force material into surface irregularities.
3. Apply a thin layer of mortar with the flat side of trowel on the back of each tile or stone (back buttering).
4. Press tiles or stones, firmly into place, with a slight perpendicular motion relative to the notches, and press in place with a rubber mallet.
5. Pull up a tile or stone occasionally and make sure that the right amount of mortar (coverage) has been achieved (95% minimum).
6. To avoid surface skin formation, do not apply an excessive amount of mortar on the substrate; apply a maximum of 2 square meters (22 ft<sup>2</sup>). If the material begins to dry (becomes non-sticky), mix again using the notched trowel. If too dry, discard and replace with fresh material. Material in container can be used for application within 30 minutes, depending on jobsite conditions.

## CAUTION

Job failures can occur from setting tiles or stones on mortar that has become dry and has begun to form skin (typically over 15 minutes). Check any mortar that has been on the substrate longer than 15 minutes by pressing the slab firmly onto trowel notches of mortar. If proper coverage isn't obtained, recomb mortar to reactivate or remove and apply fresh material.

## CURING & PROTECTION

Do not move tiles or apply grout for 8-16 hours on wall installations and 24 hours on floor installations. Protect from light traffic for at least 24 hours, general traffic for at least 72 hours and heavy traffic for at least 7 days. Protect from rain for at least 72 hours, and avoid total immersion in water and extremely cold climate for at least 28 days. Protect against impact and vibration for at least 28 days after installation. When installing tiles at cold temperatures allow additional time for mortar to dry before grouting and walking over it.

## CLEANING & MAINTENANCE

Use only neutral pH cleaners and sealers. Avoid use of muriatic acid (HCL) to prevent tile, stone and mortar deterioration, and grouts discoloration.

## SAFETY

Please refer to the Safety Data Sheet (SDS) for safety data. KEEP OUT OF THE REACH OF CHILDREN.

## LEGAL DISCLAIMER

Before applying this product, customer must read the product information in this Technical Data Sheet to determine its suitability for the intended application. This product warranty is limited to its replacement or its refund value should it not comply with the specifications of the manufacturer and does not include any application costs. Customer must present original proof of purchase and submit claim in writing within 15 days from the alleged situation. The information in this Technical Data Sheet supersedes any other product information available from packaging and any other company or marketing documentation. Visit our website at [www.wecopr.com](http://www.wecopr.com) for the most up-to-date official TDS.