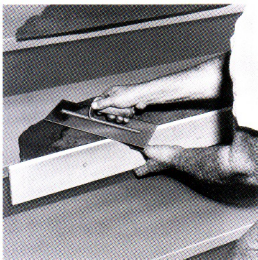


## INSTALLATION INSTRUCTIONS

**Worn - Concrete, Terrazzo, Marble, Slate, Etc. Stairs:** An application of leveling compound should be made over dished or worn stairs to provide a level-bearing surface for the safety stair treads. Smooth steps such as marble, terrazzo, tile, metal, etc., should be roughed up to insure good adhesion. The best methods to rough up the surface are grinding, sandblasting or mechanical scarification. After mechanical preparation, remove all dust and loose particles by means of a heavy-duty industrial vacuum cleaner. All other types of surfaces need only to be thoroughly cleaned. Simply mix compound in mortar pan, (directions for mixing are shown on the drum) apply and trowel to a feather edge. Troweling against a straight-edge board held to front of step (see photo) provides a square edge. As soon as step is leveled, the board may be moved to the next step, as no form is needed. Begin at top of stairs and work down. Compound dries and is ready for treads in 2 to 4 hours.



WOOSTER PRODUCTS recommends using Tapcon Screws to fasten down the Safety Stair Treads. This is the most popular method of securing the Safety Stair Treads. Tapcon screws offer many advantages:

- No layout or hole spotting required
- Fast easy installation
- Removable
- Use with masonry drill bit for maximum holding power.
- Recommended embedment 1" - 1 3/4".

Tapcon screws can be used in concrete, block, and brick. No other fasteners are required. The Tapcon screws are made of case hardened carbon steel, with RIE coating for corrosive environments. They are furnished in a flat head design 3/16" x 1 1/4".

Instructions for use: Using a 5/32" drill bit, drill a hole a minimum of 1/2" deeper than the maximum embedment depth of the anchor (minimum anchor embedment should be 1"). (Apply a coating of Wooster Water-Base Construction Adhesive to step and to back of safety tread. Place the safety tread in position on step and move back and forth a time or two to obtain a vulcanized bond.) Place anchor through tread into pilot hole and drive in with a phillips bit.

The safety stair treads also can be fastened down with screws and lead expansion shields. Place tread on stair, mark holes for drilling, remove tread and drill holes with electric drill using a 5/16" carbide-tipped drill bit. Before inserting shields into holes, dip each shield into Wooster Water-Base Construction Adhesive to prevent turning in hole while tightening screw. (Apply a coating of same adhesive to step, or back of safety tread. Place the safety tread in position on step and move back and forth a time or two to obtain a vulcanized bond.) Then fasten down with flat-head screws.

**Unworn — Concrete, Terrazzo, Marble, Slate, Etc. Stairs:** Follow same installation instructions described under **Worn-Stairs** except leveling compound is not required.

*Additional Information On Reverse Side*

**IMPORTANT: Do not use power tools to tighten fasteners at risk of stripping threads.**



**Worn — Wood Stairs:** Follow installation instructions described under **Worn-Concrete Stairs** for applying leveling compound. The hardened compound readily holds wood screws. Wood stairs require only starter holes for wood screws. Construction Adhesive is not necessary for wood steps but can be used if so desired.

**Unworn — Wood Stairs:** Follow same installation instructions described under **Worn-Wood Stairs** except leveling compound is not required.

**Worn — Metal Stairs:** Follow installation instructions listed under **Worn-Concrete Stairs** for applying plastic leveling compound. When fastening treads down follow instructions described under tapcon screws except you drill completely through the step using a 5/32" drill bit and fasten with machine screws and nuts or self-tapping screws.

**Unworn — Metal Stairs:** Follow same installation instructions described under **Worn-Metal Stairs** except leveling compound is not required.