

## Crash Rails

### STORAGE & HANDLING

The crash rails are shipped unassembled. Upon receipt, the PVC covers should be stored in the horizontal position at room temperature (70 deg F. minimum). This is a finished product, store in a protected clean and dry area.

**DO NOT STORE ANYTHING ON TOP OF THE CRASH RAILS.**

**DO NOT STORE OR INSTALL IN DIRECT SUNLIGHT, INCLUDING SUNLIGHT PASSING THROUGH WINDOWS.**

**NOTE: Stock Length material does not always have squared ends and may require squaring in the field. If space is available use a minimum 12' (304.8mm) long cutting bench to allow the installer to cut the material without having to turn it around.**

**SPLICES: When splices occur (runs over 12'-0" (304.8mm)), always splice the aluminum retainers and the PVC covers at different locations along the run. The minimum required spacing between the splice locations is 1'-0" (25.4mm).**

### INSTALLATION

If the material is being cut from stock lengths, cut the longest pieces first, then cut the shorter pieces. The factory recommends using back up channels at stud wall conditions.

**NOTE: Check to ensure the anchors supplied by the factory will work with the type of wall substrate on the project.**

**STEP 1.** Select a section of aluminum retainer, and an end cap. Place the end cap into the channel slots at the end of the retainer. Mark the mounting holes on the retainer, then mark mounting holes in the top and the bottom of the retainer at a maximum of 16" (406.4mm) O.C. Drill mounting holes at marked locations on the retainer. Repeat this step for each retainer.

**STEP 2.** Select a section of retainer assembly, place it against the wall at the desired and specified height from the finished floor. Make sure there is an equal distance on both ends from door jambs, corners, etc. Using the retainer assembly as a template mark the location of the anchors on the wall. Remove the retainer assembly from the wall and drill the anchors holes. Drill anchor holes 1/4" (6.35mm) deeper than the length of the anchors. If togglers and 1/4-20 mounting bolts are required for anchoring see toggler instructions below.

**NOTE: Observe all safety precautions when drilling to avoid all utilities and re-bar.**

**CAUTION! DO NOT WALK ON THE CRASH RAILS.**

**STEP 3.** Place the retainer assembly back into position against the wall ensuring that the retainer is properly aligned, level, and at the proper height. Using the correct anchors attach the retainer to the wall.

**STEP 4.** Select the end caps for each section, using the mounting hardware attach the end cap to the retainer using the top and bottom pre-drilled holes on the end cap. Then use a self tapping screw in the center hole to complete the attachment of the end cap.

**STEP 5.** Place the bumper in the center channel of aluminum retainer, starting at one end of the bumper make a mark 3" (76.2mm) in from then end, then continue marking every 24" (609.6mm) O.C.. Drill holes at each mark in order to attach the impact bumper to the retainer using self tapping screws.

**STEP 6.** Select PVC cover, place the top lip of the PVC cover over the top of the retainer. Starting at one end, using the palm of the hand, push the PVC cover down over the bottom of the retainer. Repeat this step for each section of crash rail.

**TOGGLER INSTRUCTIONS:** Drill 1/2" (12.7mm) mounting holes for toggle bolt anchors into the wall. Install toggle bolt anchors holding the anchoring channel flat alongside the plastic straps and insert through the wall. Pull straight back on the handle until anchoring channel is tight against the wall. At the same time, slide the anchor's plastic cap along the anchor straps until the flange of the cap is flush with the wall. Place your thumb between the plastic straps and push the straps from side to side, snapping them off at the cap.

### CLEANING INSTRUCTIONS

Do not use chlorinated or aromatic hydrocarbons, esters or ketones to clean Tepromark products. Avoid the use of heavy degreasers or compounds containing surfactants. Avoid the use of abrasive compounds. For best results, the use of mild detergents or multipurpose cleansers is recommended. Do not use powder, bleach or ammonia based cleansers as they can leave residue which is difficult to remove.