

Handrails

STORAGE & HANDLING

The handrails 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 HAND 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 backup 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 retainer, starting at one end make a mark 2-5/8" (66.675mm) from the end of the retainer for the first anchor hole. Continue on marking hole locations along the retainers at 32" (812.8mm) O.C. maximum. The last hole should be located 2-5/8" (66.675mm) from the other end of the retainer. Then drill 1/4" (6.35mm) holes at marked locations on the retainer. Repeat this step for each retainer.

STEP 2. Select a section of retainer, 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 1/2" (12.7mm) anchor holes for the toggles. Drill anchor holes 1/4" (6.35mm) deeper than the length of the anchors.

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

DO NOT WALK ON THE HANDRAILS.

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.

STEP 3. If returns are not pre-assembled by the factory, select proper amount of corner housings to assemble all left hand returns required. The select the proper amount of left hand adapters. Using the factory supplied screws affix the adapters to the corner housing. Repeat this step for the right hand returns and the corners, using two adapters per corner.

NOTE: The corner adapters are reversible enabling them to be used for an outside as well as an inside corner application.

STEP 4. Select the end caps or outside corners for each section. Turn the retainer face down on a solid surface and slide the return and/or corner tab into the retainer, make sure that the return or corner tab is seated completely into the retainer. Using self drilling, self tapping screws affix the retainer to the return and/or corner tab from the back side of the retainer.

STEP 5. Place the handrail stand offs behind the retainer, aligning the bolt hole on each stand off with a bolt hole in the retainer. Insert a 1/4-20 bolt through the hole in the retainer and the hole in the stand off. Place the handrail against the wall, aligning the retainer and stand offs with the corresponding toggle anchor in the wall. Ensure that the handrail is level, properly aligned and at the proper elevation. Insert the 1/4-20 bolt into the toggle anchor in the wall and tighten the bolt. Repeat for each bolt along the handrail. Repeat this step for each section of handrail.

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 handrail.

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.