

TWHR-130 Handrail

STORAGE & HANDLING

The handrails are shipped unassembled. Upon receipt, the handrails should be stored vertically or on a flat horizontal surface at room temperature (70 deg F. (21 deg C.) 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.

INSTALLATION

All millwork shall be installed so as to minimize the visibility of fasteners. All Aspect products shall be installed based on the manufacturers recommendations. Moldings shall be secured to the wall with screws or other positive fastening such as toggle bolts, tapcons, etc. After moldings are secured to the wall, decorative inserts shall be installed to cover wall fastening using a 15 gauge or smaller finish nails or adhesive. All visible fasteners, seams, joints, etc, shall be touched up following installation.

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

STEP 1. Measure and mark centerline of handrail mounting brackets on wall or partition. Locate this centerline by subtracting 3 1/2 inches from the desired finished height of the railing.

STEP 2. Measure and mark handrail section end points on wall or partition.

STEP 3. Measure and mark mounting bracket fastener holes. Locate holes on fastener centerline 32" O.C. maximum, unless otherwise specified, and at distances from ends of sections as shown on [Standard Plan Detail.]

STEP 4. Measure and plan handrail lengths. Since handrail is furnished in random lengths, it is important to plan carefully to obtain maximum yield. Remember to allow enough stock (4 1/2") on each end of handrail to cut a matching end return. Where splices are necessary, for maximum strength and appearance we recommend mitering both pieces to be joined at 45 degrees. Do not splice where mounting bracket will be located. Allow extra stock on handrail sections requiring these miter joints.

STEP 5. Cut handrail sections and returns. Cut the returns first by making 45-degree cuts on both ends of the railing, and then the 22-1/2 degree cuts to form the returns. Trim the handrail to finished length with 22-1/2 degree cuts as shown on the Standard Plan Detail.

STEP 6. Assemble handrail sections. Attach returns with glue and biscuits. Stretch duct tape over the joints to hold them in position until the glue sets.

STEP 7. Pre drill fastener holes in wall or partition. Make hole diameter as small possible, allowing for fasteners. For most drywall applications, we recommend 1/4 -20 round head machine screws and 1/4" size BB strap type anchors by Mechanical Plastics. IMPORTANT: THE ATTACHING FASTNERS MUST EXTEND THROUGH BLOCKING IN THE WALL OR STUDS TO PROPERLY SUPPORT THE HANDRAIL. For most masonry applications, we recommend 1/4" lag screws and alligator anchors, size A6.

FASTENING INSTRUCTIONS: Drill 1/2" (12.5mm) mounting holes for alligator bolt anchors into the wall. Install alligator 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 from side to side, snapping them off at the cap.

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

STEP 8. Pre-drill holes in handrail sections to align with holes in wall or partition. Make hole through the aluminum bumper retainer and the handrail as small as possible, allowing for fasteners.

STEP 9. Secure rail assemblies to wall or partition. Assemble fasteners, insert through handrail and into the holes in wall or partition, and secure per fastener manufacturers printed instructions.

STEP 10. Clean up handrail and wall. Touch up any exposed wood surfaces with stain or touch up pen.

DO NOT WALK ON THE HANDRAILS.

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.

Additional information available for care of wood finishes.