Please Read Disclaimer

Please read all instructions before beginning installation. These guidelines are provided in good faith to help prevent any problems caused by errors in installation. The manufacturer of this product shall not be held responsible for installation actions taken or not taken. There are many details of installation that are assumed to be general construction knowledge to experienced installers; which are not included in these instructions. These installation guidelines are intended to be strictly recommendations and are not to serve as a step-by-step, fail-safe installation checklist. Selection of an experienced installer is the sole responsibility of the project owner and architect.

Protek Systems, Inc. does not accept any responsibility for job failure resulting from or associated with improper site environmental conditions and installation failure due to expansion contraction issues.

Storage:

Products must be stored flat in the original packaging. Do not stand on end or store other material on top of them. Store in a clean dry place where the temperature is maintained above 50°F.

Before Installation:

The temperature of the walls and the rooms should be maintained at a minimum of 70°F for at least 48 hours prior to installation. Allow material and adhesive to acclimate for at least 24 hours at a minimum temperature of 70°F but no more than 80°F before beginning the installation process.

Surface Preparation for Wallcoverings:

Remove any pre-existing wallcovering. For best results walls must be resurfaced if damaged. Remove any rough spots by sanding walls until smooth. Test for paint adhesion. Use a razor to score the surface of a 12" square area in a grid pattern. Try to remove the broken paint film by applying cellophane or masking tape; pull off sharply. If the paint comes off, the wall must be stripped prior to installation. Prime unfinished surfaces with a latex flat primer. Before applying adhesive, the walls and wallcovering sheets must be completely free of grease, dirt, etc. Wipe surfaces with a clean water-dampened rag to remove any dirt or debris.

During Installation:

Maintain a constant temperature and environment while installing. Temperature for the application surface and the room should be maintained at a minimum of 70°F and a maximum of 80°F, with the preferred temperature being 75°F during installation. If relative humidity is greater than 80%, do not install wallcoverings with adhesive because high humidity can significantly lengthen the curing time of adhesives.

After Installation:

Maintain temperature stability between 70°F and 80°F for 24 to 48 hours after installation.

Reminder:

Proper handling and installation is an important factor in assuring that your facility gains the maximum benefits of the product. Read and follow all the temperature, storage, and handling information completely for optimum final results.

Recommended Tools:

- Writing utensil
- Tape measure
- Level

- Clamps / guide
- Proper cutting tools
- Ear & eye protection

- Caulking gun
- Bracing
- Shims

Cutting the Material:

Aluminum can be cut with fine tooth aluminum cutting blades. Use a circular saw with straight edge as a guide to make straight cuts. Jigsaws can be used for cuts around framing, outlets, and other cutouts. Make sure material is secure and that cuts are made in flat surfaces to ensure a clean cut.

For crash rails, corner guards, U-channels, door frame covers, or other profiles that may need to be cut to length, use a chop saw with fine tooth aluminum cutting blade.

Drilling the Material:

Any high-speed steel, titanium or cobalt twist but will work. Clamp the item securely. Use a punch and hammer to make a dimple where the hole is to be drilled. This will keep the drill but from wandering.

Warnings:

Keep in mind that field cut edges of the aluminum may be sharp and need to be handled with care. Wearing gloves is a good idea when cutting and handling the material. De-burr the edges with a file, grinding wheel, or other abrasive. Wear eye and hearing protection whenever appropriate.

Crash rails are typically supplied in stock lengths of 8'-0" or 10'-0" to be cut in the field to fit. Carefully measure and mark all holes to be drilled to achieve a properly supported and level installation.

Installation:

- Determine the top of the crash rail height on the wall or partition and mark with a chalk line.
- Measure and mark the end points of the crash rail on the wall. Take into account the length of each end cap at all terminations.
- Measure and cut crash rails to length for each crash rail segment. Verify that cut lengths conform exactly to lengths marked on wall or partition.
- De-burr and clean any sharp edges on the crash rail as necessary.
- Drill fastener holes in the crash rail.
  - Holes should be spaced no more than 32" on center and within 3" from the end of each retainer segment.
  - Make holes as small as possible, allowing for fasteners.
  - Use the same hole spacing on the top and bottom flanges of the crash rail. End caps will be supplied pre-drilled.
- Dry fit the crash rail to the wall. Mark fastener holes from the crash rail onto the wall or partition and drill holes, making sure they are aligned.
- Fasten crash rail and end caps to wall or partition.
- Clean surfaces as necessary.