



EXTRUTECH PLASTICS, INC.

"Custom Extruder of Close Tolerance Profiles"

Material Estimating Guidelines

The P1300 (12" wide panel) and P2400 (24" wide panel) wall panels are 100% virgin, exterior grade PVC, extruded into a ½" thick tongue and groove panel. It is manufactured to your length specifications. These PVC panels can be applied directly over just about any existing ceiling or wall material depending upon its condition. You may use a circular saw with a fine tooth blade to rip a panel to the necessary width. The following examples will enable you to determine your exact material requirements for any size building. (Please note our Inside Corner, Outside Corner, and J-Trim moldings are available in standard lengths of 8', 10', 12', and 14'. Our H-Bar is available up to 16' long).

P1300 - Ceiling Only:

Measure the length and width. The P1300 will span trusses 24" on center. Determine the direction the panels will be installed, either parallel or perpendicular to the side walls. NOTE: This may be determined by the direction of the trusses.

Perpendicular Ceiling trusses:

The ceiling is 28'L x 16'W, with trusses perpendicular to the side walls. The P1300 panels would be installed parallel to the side walls. The recommended procedure in this application would be to utilize 32 pieces, each 14' long, with one H-Bar 16' long. The H-Bar trim is utilized in installation where the panels must be butted end-to-end. Include in your estimate enough material to trim the perimeter using either the Inside Corner or J-Trim.

Parallel Ceiling Trusses:

The ceiling is 34'L x 16'W, with trusses parallel to the side walls. The P1300 panels would be installed perpendicular to the side walls. The recommended procedure in this application would be to utilize 34 pieces, each 16' long. Include in your estimate enough material to trim the perimeter using either the Inside Corner or the J-Trim.

Ceiling and Walls:

Follow the directions in Step 1, making sure to select the Inside Corner as the trim of choice for the ceiling perimeter. Wall instructions follow.

Walls:

The P1300 and P2400 PVC panels may be directly applied over concrete block, metal studs, 2' x 4's, plywood, just about any type of substrate, depending upon its condition. The panels may be applied vertically or horizontally on walls. In the latter case, fastening is recommended on 16" centers. Vertically, a fastener every 24" to 30" is recommended. To start, measure the length and the height. Measure all openings, i.e. windows, doors, doorways, overhead doors.

Example 1 - Wall Only – No Openings: The wall is 28'L x 12'H. There are no openings, and they are doing the wall only. The recommended procedure in this application would be to utilize 14 pieces of P2400, each 12' long. More often than not when covering a flat wall only, people choose to “picture frame” the panels by using J-Trim on the top, bottom, and sides. In this example, the recommendation is 4 pieces of J-Trim at 10' and 2 pieces of J-Trim at 8', and 2 pieces of J-Trim at 12' (top, bottom, and sides). To cover a flat wall and ceiling, you will only need to make sure you have the J-Trim for the bottom and vertical sides, as the top of the panel will be trimmed out with the Inside Corner.

Example 2 – Wall Only – Four Windows: The wall is 68'L x 13'6"H, there are 4 windows, each 8'W x 6'H. The recommended procedure in this application would be to utilize 38 pieces of the P2400 panel, each 13'6"L, 30 pieces each 7'6"L (cut on site to fit above and below the windows), 14 pieces J-Trim at 12' (trims the wall perimeter), 8 pieces of window trim at 8' and 4 pieces of window trim at 12' finishes the trim package. Window trim may be J-Trim, Outside Corner trim, the PVC cellular foam window sill, in combination with the PVC cellular foam trim boards and colonial casing.

Example 3 – Wall With Entry & Exit Walls: Entry and exit walls measure 16'W x 12'H, each with a 12'W x 10'H opening. The material requirements to finish this wall would be: 8 pieces of P2400 at 12', with two of the pieces being cut on site for the header, the trim package: 1 piece Outside Corner at 12' for the top of the opening, 2 pieces at 10' Outside Corner for the sides of the opening, 1 piece of J-Trim at 8' trims the bottom of the panels. NOTE: This example assumes the trim for the top of the panels will be the Inside Corner provided with the ceiling. J-Trim is your other option.

Example 4 – Complete Building: Let's do a complete building, a car wash which measures 60'L x 12'H x 16'W, exit and entrance openings are 10' x 10', and we are lining the walls, ceilings, and returns.

Ceiling 60'L x 16'W	Two Side Walls at 60'L x 12'H
60 pieces P1300 at 16'	60 pieces P2400 at 12'H
13 pieces Inside Corner at 12'	10 pieces J-Trim at 12'
4 pieces Inside Corner at 12'	

2 Entry & Exit Walls, 12'H x 16'W, each with a 10'x10' opening

8 pieces P2400 at 12'
1 piece J-Trim at 12'
6 pieces Outside Corner at 10'

This is the complete material part list - ceilings, walls, and the trim Package. Make sure you order enough trim. Remember, we supply product cut to length, and offer a variety of window and door trim. Please see our Installation Instructions for additional information or call us at our toll-free number.

Thank you.