EXTRUTECH
2-1/4" Partition Wall Panels
P224 - Corrosion-Proof Panels

The Extrutech P224 Wall Panel is a rigid, non-porous, smooth wall panel with a bright-white, glossy surface on both sides. This panel is waterproof, will never rust, rot, corrode, or fade. The panel is easy to clean and ideal for high moisture areas where daily sanitation is critical.

The P224 Partition Wall Panel allows for numerous design options. Giving you a wall thickness of 2-1/4" allows for an insulation option that provides an (R-10). Cut to the inch panel lengths or based on your requirements, with door and window cut-out options. This user-friendly panel also allows for easy field cuts if needed and its tongue-and-groove edge design makes for quick installation.

Extrutech Partition Wall Panel system (item# P224) is 24" wide by 2-1/4" thick, weighs 4lbs/ft., tongue-and-groove design, and is cut to the inch. The panel has an exterior wall thickness of .110", a multi-chamber interior running the length of the tongue-and-groove panel. Made of 100% virgin, exterior-grade PVC that will not support mold or mildew per ASTM D3273 and D3274.

Options:
Insulated / Non Insulated
Steel Reinforced
Stainless Steel Trim
Windows
Doors
Pass-thru Openings
Panels up to 24 feet long
Trims Available

Benefits:
Sanitary – easy to clean
Waterproof – no rot or rust
Stain-resistant
Low-maintenance
Highly reflective
Installs quickly and easily
Ideal for high-moisture areas

24 Foot High Partition Wall Installation

Recommended Uses:
Food Processing
Dairy Facilities
Cheese Plants
Bottling Plants
Cold Storage
Clean Rooms
Car Washes
Commercial Properties
Waste Water Treatment Plants
Room Partitions
Dog Kennels
Aquaculture Facilities

Extrutech P224 Partition Wall Panel
24" wide x 2-1/4" thick, cut to the inch in lengths to 24 Feet
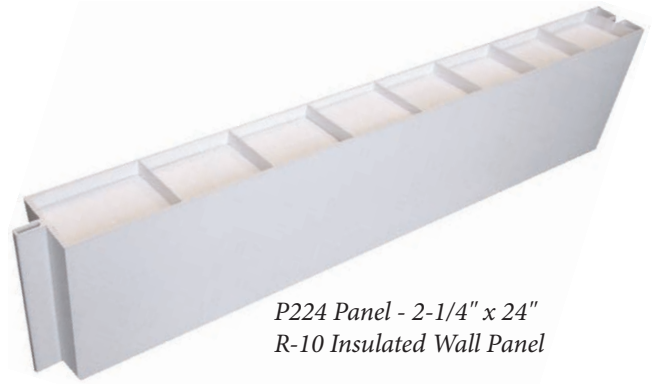*Custom made to your project specifications*

2-1/4" Partition Wall Panels

P224 - Corrosion-Proof Panels

The 2-1/4" Partition Wall is a new construction product that allows you the flexibility to construct interior walls faster, easier and safer. Use wherever interior partition walls are required. Clean rooms, Food Processing, Agricultural Facilities and Dairies. Use in any high moisture, acidic, salty areas where water, rust and corrosion are a problem.

P224 Panel - 2-1/4" x 24"
R-10 Insulated Wall Panel

- Durable, strong 2-1/4" x 24" multi-chamber, tongue-and-groove wall panels made of rigid, virgin polymers, and easy assembly.

- Low maintenance, easy to clean, just spray off with water/cleaner
- Finish surface on both sides of panel, never needs painting.
- Custom sizes and insulated panels available.
- Available in a bright, high gloss, white color
- Moisture and rot proof, mildew resistant
- Brightens the interior of any building
- Light-weight, easy to handle
- Termite resistant
- 100% Recyclable

2-1/4" P224 Partition Wall Installation

Available Trims: *(White Only)*

2-1/4" Base Channel
EPI0125

2-1/4" Slip-on Outside Corner P0226

2-1/4" Door Frame OPTIONS

2-1/4" Fitted Outside Corner P0225
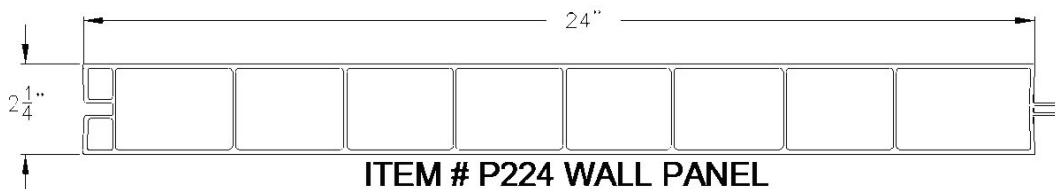
24"

2 1/4"

ITEM # P224 WALL PANEL

EXTRUTECH PLASTICS, INC

"Manufacturer of American Made Wall and Ceiling Panels"

EXTRUTECH

P224 Partition Wall Panel Installation

2 ¼" - Corrosion-Proof Panels

Product Size: 2 ¼" x 24" wide, rigid PVC panels

Available Lengths: Cut to the Inch (4' – 24' Foot)

Installation - P224 Partition Wall (over view)

1.   Clear work area for wall installation and cordon off work area.
2.   Install wall system in accordance to instructions and project details, at location
      indicated on drawing and to builder's direction.
3.   Review proper tools, safety equipment and lifts are on hand; in good working order.
4.   Layout wall position on floor and plumb to ceiling. Mark plumb line on side walls.
5.   Install perimeter trim: first base channel, side and top (channel or angle)
      install additional base channels, as you install wall panels.
6.   Cut panels lengths 1/4"- 3/8" short of inside channel dimension (allow ceiling movement)
7.   Install first panel, tip up and slide into place, plumb panel edge, secure to channels
      w/ fasteners, 2-4' foot apart down the side channel. Installing (2) fasteners per panel;
      w/bolts at top & screws at bottom.
8.   Install next panel - slide into place so edges of first and second are snug together,
      check for plumb and secure in place as first. Repeat process to last panel.
9.   Continue to install trim and panels as you work the length of the wall.
10.   Cut last panel to required width (allow for panel expansion) install wall trim using angle
      or channel; or cap end of wall with U-channel.

Warnings and Special Notes
Read and follow all safety instructions.
Read and follow product specifications and warranty before installation.
Warranty is void if panels are not installed according to instructions.
Keep panels 24" from Heaters and shield Radiant Tube Heaters.
Panels are made to be installed vertically, contact Extrutech to review other methods.
Steel reinforcement can be installed in the panels as an option (review with builder).
Door and widow opening options also available contact Extrutech about this option.
Insulated panels are available contact Extrutech about this option.
ALLOW for panel, structure movement and expansion when planning installation.
DO NOT USE Staples or Nails to hold panels in place.
DO NOT USE Hilti® or 22 type nailing gun to hold panels in place.

Clean work area
Clean work area for wall installation allowing 15 - 20 ft area for tipping up wall panels.
Mark wall position on floor and plumb to ceiling. Mark plumb line on side walls and
ceiling.

EXTRUTECH PLASTICS, INC

"Manufacturer of American Made Wall and Ceiling Panels"

Panel cutting instructions
Read and follow all Safety Instructions for power and hand tools
Wear eye and ear protection and hard hats.
Cut through product slowly, don't rush.
Powered miter saw with fine tooth blade.
Temperature is a factor when working with vinyl. Warm weather is no problem but cold temperatures can create some issues.

Install perimeter mounting trim
1. Floor trim installation - starting at one end, apply two beads of water proof caulk* ½" in form edge of base channel; install (channel or angle) along the edge of marked plumb line and secure in place with fasteners; example: (3/16"x 1 ¾" Masonry(Tapcon) Hex Head), ** Install fastener 24"-30" on center - typical for all trim installations. **
2. Wall trim installation; From the same starting point plumb and install vertical channels, setting the side wall channel so one end is resting on the top edges of the base channel on the floor, checking for plumb before final tightening. If another channel is required on the side walls, add to reach required height. Butt the ends together. Check that it is plumb and in-line with the first and secure with same fasteners. There should be a 1 ½" space to the ceiling for the Ceiling channel or angle that is to be mounted to the ceiling.
3. Ceiling trim (channels or angles) can now be installed. The ceiling may require some type of structural framing that the trim (channels or angles) can fasten securely to, using a minimum of 2x4 lumber framing or 18 gage 1x3" steel channels installed 2 ft. on center.

Panel Installation
Cut Panels lengths 1/4" - 3/8" short of inside channel dimension to allow for ceiling movement (review ceiling defection with builder) and panel expansion.
Taller panels will require an aerial or scissor lift to safely raise panels.
Install first panel, tip up and slide into place, plumb panel edge.
Secure Panels
Secure plumb panels to (channels/angles) w/ fasteners, 2'- 4' foot apart down the side wall channel and (2) fasteners per top and bottom of each panel; using ¼" x 2 ¾" bolts thru the panels at top & screws at bottom. With the panels secured properly at the top and bottom and the use of the panels large tongue and groove edge; fasteners are not required on the face of the panel, unless as determined by builder additional support is required, due to wall height, wind loads, air pressure changes or other effects.
Install Next Panels
Install next panel - Slide into place so edges of first and second are snug together, check for plumb and secure in place as first at the top and bottom. Repeat process to last panel. Continue to install trim and panels as you work the length of the wall. No fasteners required along edge of panel face. Wipe panels of construction dust as installing.

Rev 7-2016

Installing Last Panel

Cut last panel to required width (allow room for panel edges to fit together) install wall trim using angle or channel; or cap end of wall with U-channel. Secure panel at the top and bottom as previous and along the side wall channel as the first.

Cleaning and Maintenance of Panels

Clean the panel of any grease marks with 409 cleaner, a citrus cleaner or Extru-Brite (available through Extrutech Plastics, Inc. 888 818 0118) and review our Maintenance and Cleaning instructions for additional information.

Recommended Fasteners and Suppliers:

Note: Fasteners can be provided with panels if requested during the quoting process or purchased locally

Fasteners

Supplier: **FASTENAL**®   www.fastenal.com
Applications: - Please read and follow fastener's preparation and installation instructions.

Masonry applications (Base Channel installation)
(3/16" x 1 ¾" Masonry (Tapcon®) Hex Head
Panel Fasteners
(¼ x 2 ¾" Stainless Bolts(70014) w/lock nuts (70860) and washer (71013)
(# 10 x 1/2" Thread cutting (0144126) (Hex Head)

Sealant - Silicone Caulk
Supplier: DAP® www.dap.com   Silicone Rubber Sealant, Caulk
Purchase through local Building Supply Center
Description:
Clear 100% Silicone Rubber Sealant, Caulk

Construction Adhesive - PL400® or Liquid Nails®
Supplier: Locitie ® Purchase through local Building Supply Center
Description
PL400® Heavy Duty Construction Adhesive, Caulk.
Liquid Nails®   Duty Construction Adhesive, Caulk.

EXTRUTECH PLASTICS, INC.
5902 W. Custer Street • Manitowoc, WI 54220 • Phone 888-818-0118 • Fax 920-684-4344
www.epiplastics.com • e-mail: info@epiplastics.com

Rev 7-2016

P224 PARTITION WALL PANEL
Part No. P224

Product: PARTITION WALL PANEL

Part No. P224

Available Colors: WHITE

Panel Size: 2 1/4" x 24" Wide

Material: Rigid PVC

Available Lengths: Cut to the Inch (4'-20' Feet)

SHOWN WITH
INSULATION OPTION
Part No. P224i
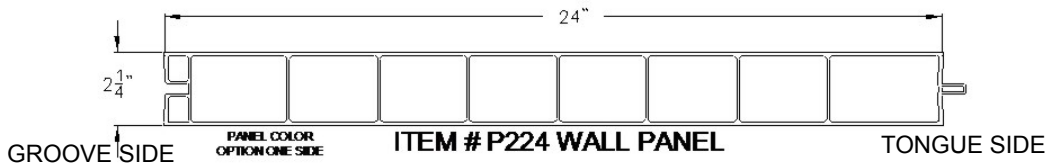
P224 PARTITION WALL PANEL
2 1/4" x 24" Wide

Product Installation

Extrutech P224 Partition Wall Panel is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.
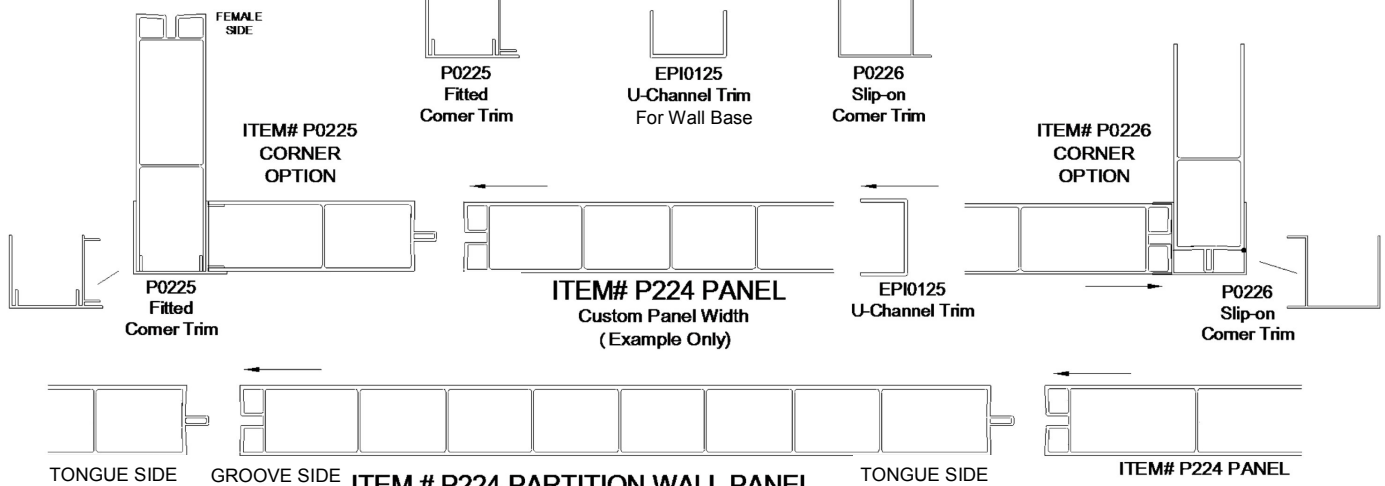
Panels can be cut with a standard power miter saw using a fine-toothed blade. If needed fasten with stainless pan or truss-head screws at top and bottom and as required with silicone caulk per in-stallation instructions or industry standard.

Extrutech P224 Partition Wall Panel

Item# P224 provides a quick, attractive way to create wall partitions for your project. P224 Wall Panels have a 24" width by 2 1/4" thickness , weighs 4 lb/Ft, with a tongue-groove edge design that makes for quick Installation; is available in 4' to 24'Ft. lengths and has the option of 2" of insulation providing an R10. The exterior-grade panels will not support mold or mildew per ASTMD3273 and D3274

24"

2 1/4"

GROOVE SIDE — PANEL COLOR OPTION ONE SIDE — **ITEM # P224 WALL PANEL** — TONGUE SIDE

P224 PANEL TRIMS

FEMALE SIDE

P0225 Fitted Corner Trim

EPI0125 U-Channel Trim For Wall Base

P0226 Slip-on Corner Trim

ITEM# P0225 CORNER OPTION

ITEM# P0226 CORNER OPTION

P0225 Fitted Corner Trim

ITEM# P224 PANEL Custom Panel Width (Example Only)

EPI0125 U-Channel Trim

P0226 Slip-on Corner Trim

TONGUE SIDE — GROOVE SIDE — **ITEM # P224 PARTITION WALL PANEL** — TONGUE SIDE — ITEM# P224 PANEL

Extrutech Non-Insulated P224 Partition Wall System

EXTRUTECH PLASTICS, INC.
5902 West Custer Street Manitowoc WI 54220
Phone 920-684-9650 I Toll Free 888-818-0118 I Fax 920-684-4344
www.epiplastics.com

MADE IN THE USA

FOR: P224 PARTITION WALL PANEL SYSTEM

2 1/4" H-BAR CONNECTOR

Part No. **PH022416**

H-BAR
DETAIL

OUTSIDE FACE

OUTSIDE FACE

Product: 2 1/4" H-BAR

Part No. PH022416

Available Colors: WHITE

Available Lengths: 8', & 16' Ft.

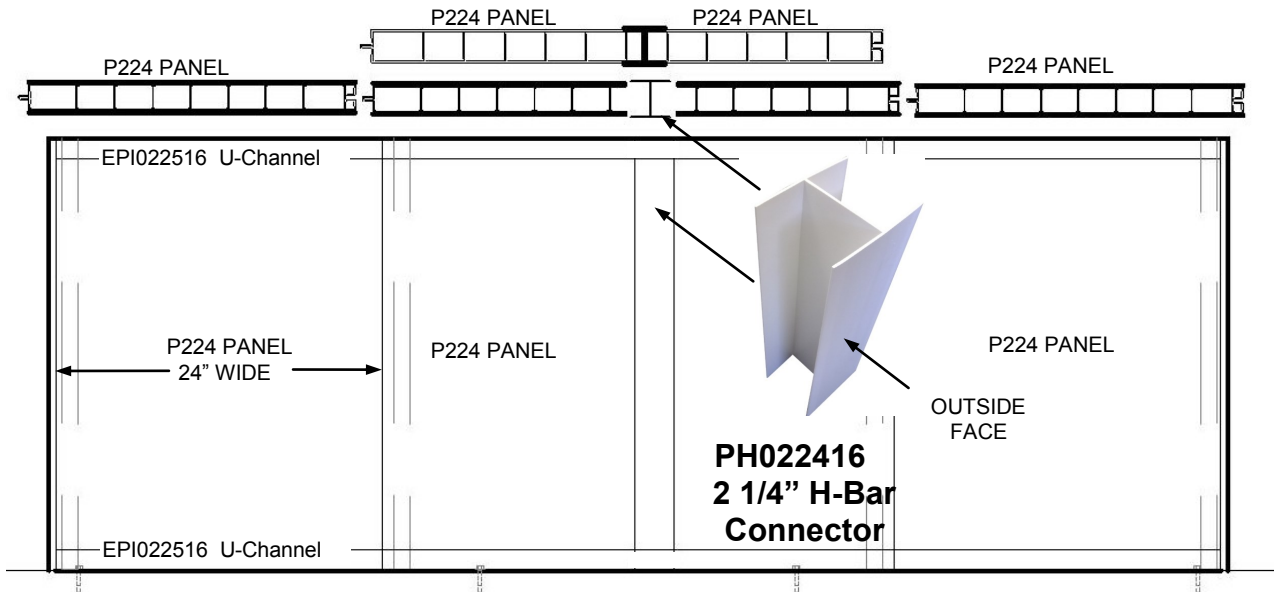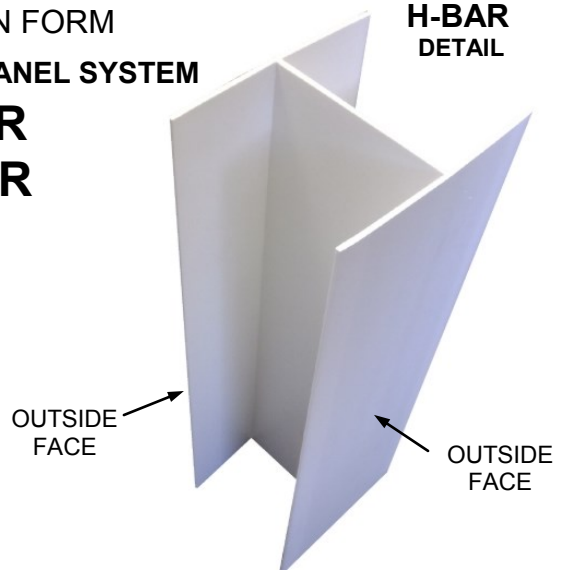**Material:** Rigid PVC

Product Information:

Extrutech 2 1/4" H-Bar is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.

2 1/4" H-Bar connector can be cut with a standard power miter saw using a fine-toothed blade. If needed fasten with stainless pan or truss-head screws at top and bottom and as required with silicone caulk per installation instructions or industry standard.

Extrutech 2 1/4" H-Bar Connector (Item# PH022416) provides a quick, attractive way to give your project a clean, finished look around the perimeter wall edges where outside corners are needed.
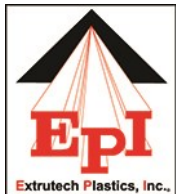
The 2 1/4" H-Bar connector has a overall width of 2 1/4" with 3" coverage for each side of our 2 1/4" thick P224 partition wall panels. Is available in 9', and 18'Ft. lengths.

P224 PANEL   P224 PANEL

P224 PANEL   P224 PANEL

P224 PANEL

EPI022516 U-Channel

P224 PANEL 24" WIDE

P224 PANEL

P224 PANEL

OUTSIDE FACE

PH022416 2 1/4" H-Bar Connector

EPI022516 U-Channel

CONECTOR DETAIL 224.6-1
P224 PARTITION WALL PANEL
INSTALLATION

REV 2-18-20

EXTRUTECH PLASTICS, INC.

5902 West Custer Street Manitowoc WI 54220
Phone 920-684-9650 l Toll Free 888-818-0118 l Fax 920-684-4344
www.epiplastics.com

MADE IN THE USA

PRODUCT INFORMATION FORM

FOR: P224 PARTITION WALL PANEL SYSTEM

RIGID U-CHANNEL
Part No. **EPI022516**

BASE / CAP
DETAIL

TOP / BOTTOM FACE

OUTSIDE FACE

Product: 2 1/4" RIGID U-CHANNEL

Part No. EPI022516

**Available Colors:** WHITE

Available Lengths: 8', & 16' Ft.
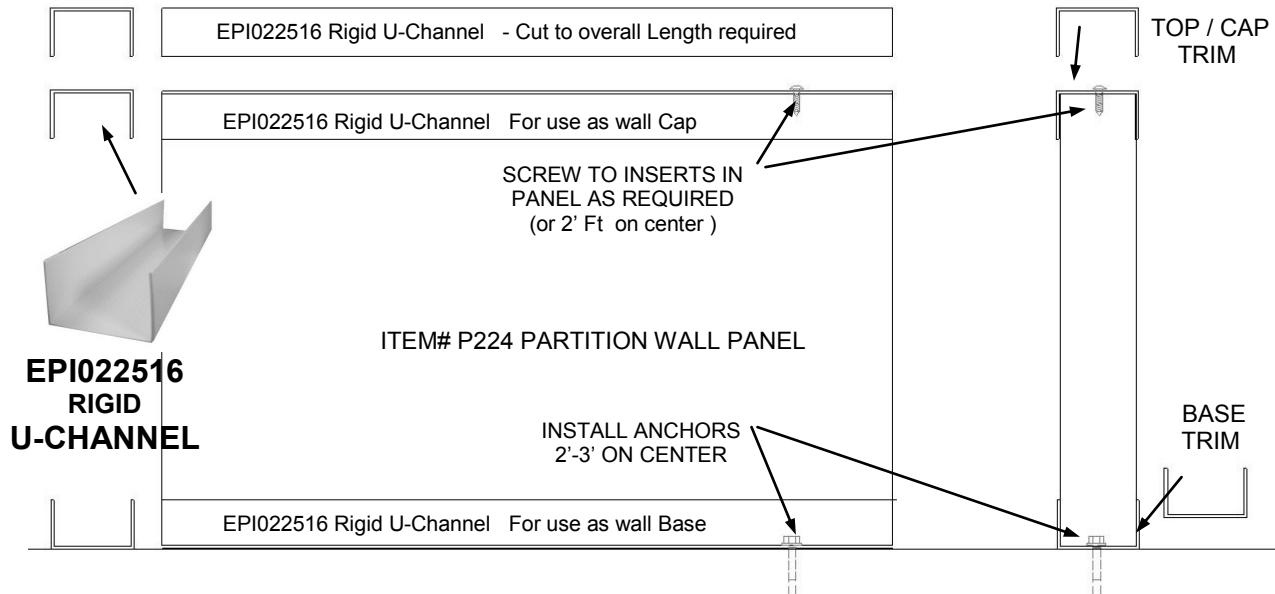
Material: Rigid PVC

Product Information:

Extrutech rigid U-Channel is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.

This U-Channel can be cut with a standard power miter saw using a fine-toothed blade. If required, can be fastened with Stainless pan or truss-head screws from the sides or bottom and if required sealed with silicone caulk per installation instructions or industry standard. Can be mitered for corners, and Corner trim can then cut to fit above or between U-Channel cap and base trim.
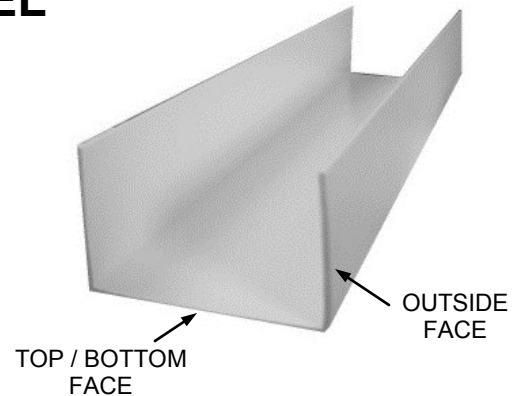
Extrutech 2 1/4" Rigid U-Channel (Item# EPI022516) provides a quick, attractive way to give your project a clean, finished look at the top or bottom of the P224 wall panel edges where needed.

The 2 1/4" rigid U-Channel has a inside width of 2 1/4" and side height of 1 1/2" coverage for each side of the 2 1/4" thick partition wall panels and is available in 8' Ft and 16'Ft. lengths.

EPI022516 Rigid U-Channel - Cut to overall Length required

EPI022516 Rigid U-Channel For use as wall Cap

TOP / CAP TRIM

SCREW TO INSERTS IN PANEL AS REQUIRED (or 2' Ft on center)

ITEM# P224 PARTITION WALL PANEL

EPI022516 RIGID U-CHANNEL

INSTALL ANCHORS 2'-3' ON CENTER

BASE TRIM

EPI022516 Rigid U-Channel For use as wall Base

RIGID U-CHANNEL DETAIL 224.4-1
P224 PARTITION WALL PANEL INSTALLATION

P224 Panel with Rigid U-Channel Cross Section

MADE IN THE USA

FOR: P224 PARTITION WALL PANEL SYSTEM

FLEX U-CHANNEL

Part No. **P022716**

BASE / CAP
DETAIL

Product: 2 1/4" FLEX U-CHANNEL

Part No. P022716

Available Colors: WHITE

Available Lengths: 8', & 16' Ft.

Material: Rigid PVC

Product Information:

Extrutech Flex U-Channel is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.

This Flex U-Channel can be cut with a standard power miter saw using a fine-toothed blade. If required, can be fastened with Stainless pan or truss-head screws from the sides or bottom and if required sealed with silicone caulk per installation instructions or industry standard. Can be mitered for corners, and Corner trim can then be cut to fit above or between U-Channel cap and base trim.

FLEX LEG

TOP / BOTTOM FACE

OUTSIDE FACE

Extrutech 2 1/4" Flex U-Channel (Item# P022716) provides a quick, attractive way to give your project a clean, finished look at the top, bottom or sides of the P224 wall panel edges in tight areas of minimum clearance.

The 2 1/4" Fex U-Channel has a inside width of 2 1/4" and side height of 1 1/2" coverage for each side of the 2 1/4" thick P224 partition wall panels and is available in 8' Ft and 16'Ft. lengths.

P022716 Flex U-Channel   For use as wall Cap

SCREW TO INSERTS IN PANEL AS REQUIRED
(or 2' Ft on center)

FLEX LEG

TOP / CAP TRIM

P022716 FLEX U-CHANNEL

ITEM# P224 PARTITION WALL PANEL

INSTALL ANCHORS 2'-3' ON CENTER

BASE TRIM

FLEX LEG

P022716 Flex U-Channel   For use as wall Base

FLEX U-CHANNEL DETAIL 224.5-1
P224 PARTITION WALL PANEL INSTALLATION

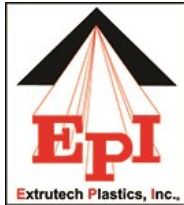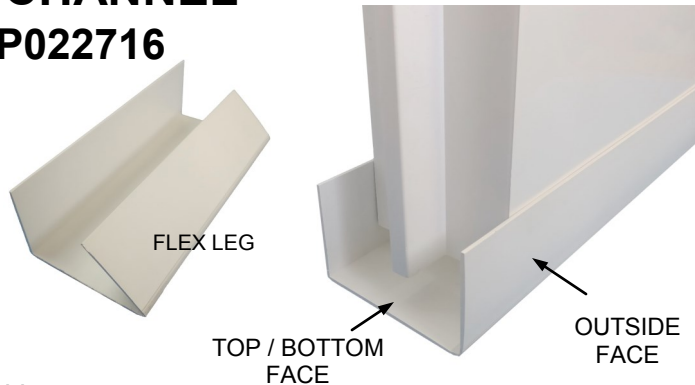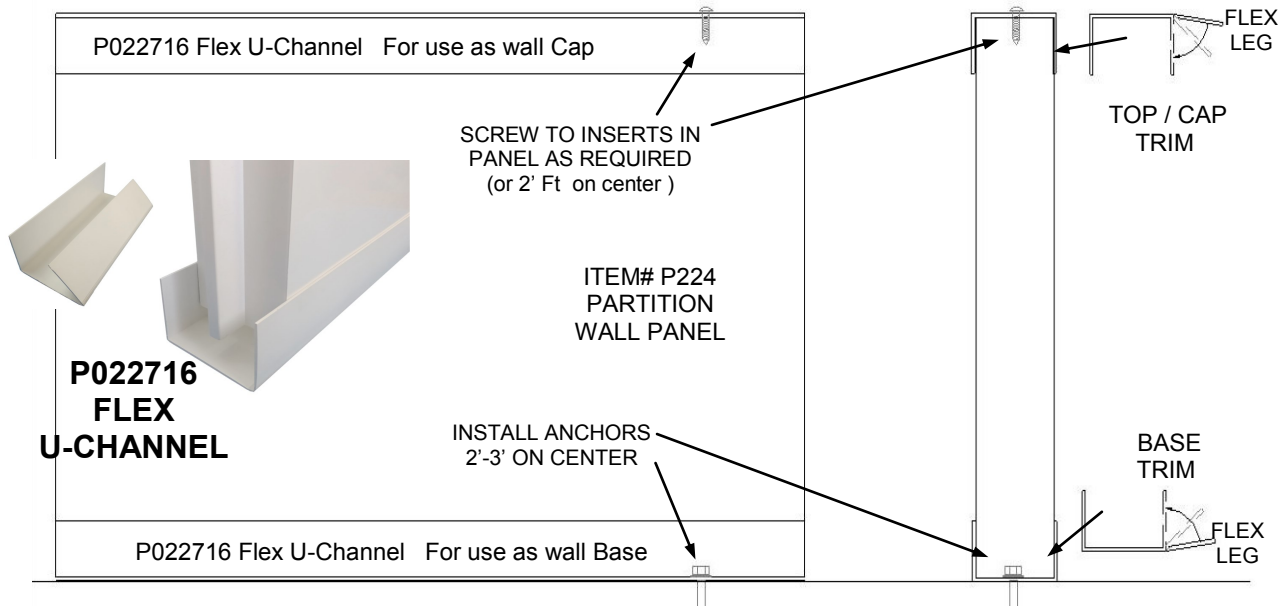**P224 Panel with Flex U-Channel Cross Section**

REV 2-18-20

EXTRUTECH PLASTICS, INC.
5902 West Custer Street Manitowoc WI 54220
Phone 920-684-9650 **I** Toll Free 888-818-0118 **I** Fax 920-684-4344
www.epiplastics.com

MADE IN THE USA

FOR: P224 PARTITION WALL PANEL SYSTEM

SLIP-ON OUTSIDE CORNER
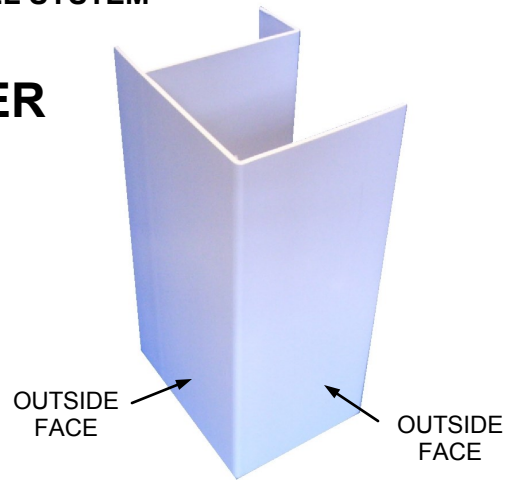
Part No. **P022618**

CORNER
DETAIL

Product: SLIP-ON OUTSIDE CORNER

Part No. P022618

Available Colors: WHITE

Available Lengths: 9', & 18' Ft.

Material: Rigid PVC
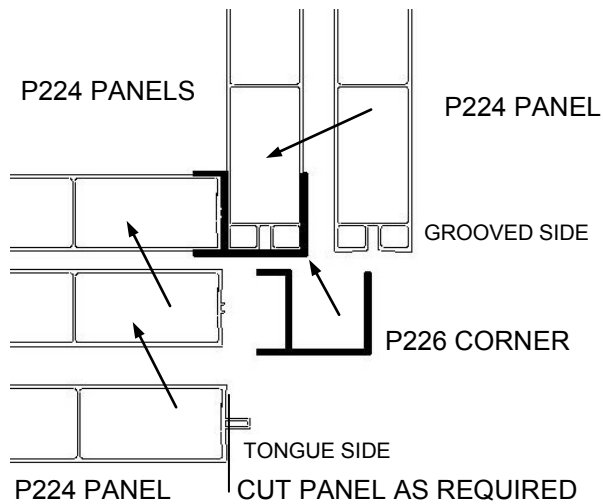
OUTSIDE FACE

OUTSIDE FACE

Product Information:

Extrutech Fitted Outside Corner is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.

Corner can be cut with a standard power miter saw using a fine-toothed blade. If needed fasten with truss-head screws at top and bottom and as required with silicone caulk per installation instructions or industry standard.

Extrutech Slip-on Outside Corner (Item# P022618) provides a quick, attractive way to give your project a clean, finished look around the perimeter wall edges where outside corners are needed.

The Slip-on Outside Corner has a overall width of 2 1/4" with 3 1/4" x 2 1/4" coverage for each side of our 2 1/4" thick partition wall panels. Is available in 9', and 18'Ft. lengths.

OUTSIDE FACE

P022618 Slip-on Outside Corner Cross Section

P224 PANELS

P224 PANEL

GROOVED SIDE

P226 CORNER

P224 PANEL

TONGUE SIDE

CUT PANEL AS REQUIRED

TOP VIEW

CORNER DETAIL 224.3-1
P224 PARTITION WALL PANEL
INSTALLATION

P022618 Slip-on Outside Corner Cross Section

REV 2-18-20

EXTRUTECH PLASTICS, INC.
5902 West Custer Street Manitowoc WI 54220
Phone 920-684-9650 I Toll Free 888-818-0118 I Fax 920-684-4344
www.epiplastics.com

MADE IN THE USA

FITTED OUTSIDE CORNER
Part No. **P022516**

CORNER
DETAIL

OUTSIDE FACE

OUTSIDE FACE

Product: FITTED OUTSIDE CORNER

Part No. P022516

Available Colors: WHITE

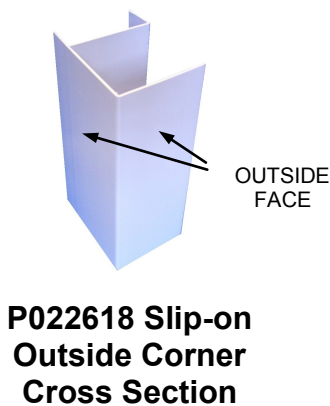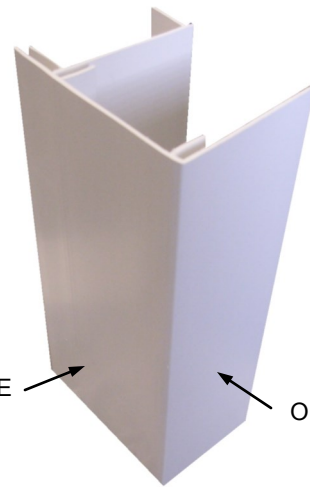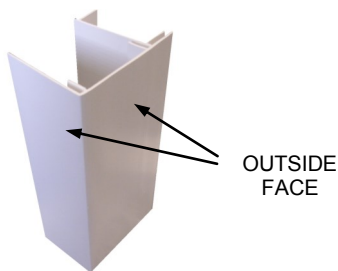**Available Lengths:** 8', & 16' Ft.

Material: Rigid PVC

Product Information:

Extrutech Fitted Outside Corner is made of an exterior grade, hard, dense, rigid PVC, with a smooth surface for easy cleaning.

Corner can be cut with a standard power miter saw using a fine-toothed blade. If Needed fasten with truss-head screws at top and bottom and as required with silicone caulk per installation instructions or industry standard.

Extrutech Fitted Outside Corner (Item# P0225) provides a quick, attractive way to give your project a clean, finished look around the perimeter wall edges where outside corners are needed.

The Fitted Outside Corner has a overall width of 2 1/4" with 3 1/4" x 2 1/4" coverage for each side of our 2 1/4" thick partition wall panels. Is available in 8', and 16'Ft. lengths.

OUTSIDE FACE

P022516 Fitted Outside Corner

GROOVED SIDE

P224 PANEL

ITEM# P0225 CORNER OPTION

TONGUE SIDE

P0225 Fitted Corner Trim
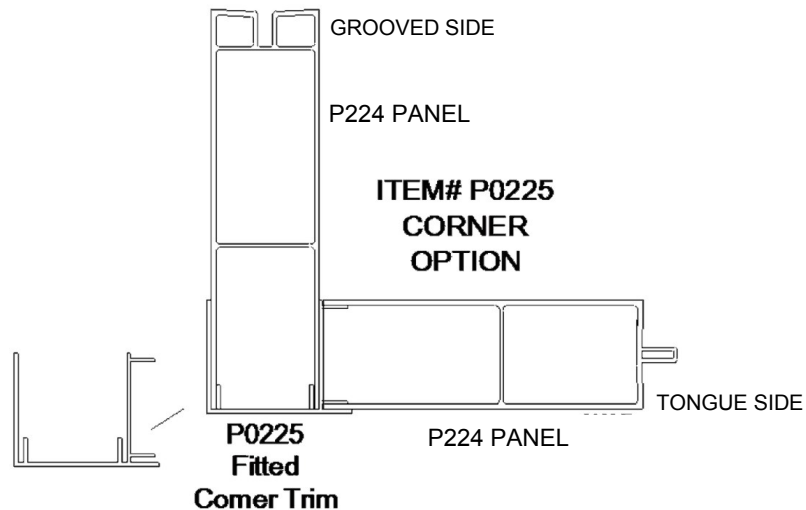
P224 PANEL

CORNER DETAIL 224.2-1
P224 PARTITION WALL PANEL INSTALLATION

P022516 Fitted Outside Corner Cross Section

REV 2-18-20

MADE IN THE USA

EXTRUTECH PLASTICS, INC

"Manufacturer of American Made Wall and Ceiling Panels"

LIMITED WARRANTY FOR PANELING

Extrutech Plastics, Inc.'s limited warranty claims panels will be free from manufacturing defects for a period of (15) fifteen years beginning with the original date of purchase.

This warranty covers white colored panels for (15) fifteen years, from fading and discoloration due to natural sunlight.

This warranty covers all other colored panels including but not limited to the colors Rocket Red, Caribbean Blue, Kelly Green, Sunshine Yellow, Beige, Gray, and Wood tones for (1) one year, from fading and discoloration due to natural sunlight.

WARRANTY LIMITATIONS

This warranty does not cover problems caused by improper installation methods. The installer must follow EPI written installation directions or the warranty is VOID. Extrutech Plastics is not responsible for the installation of any of our products, or if the product is used in any way not recommended by the manufacturer.

This warranty does not cover:

- Damage caused by improper maintenance or by use contrary to our recommendations.
- Expansion/Contraction issues due to improper installation contrary to manufacturer directions.
- Any application of paint, coatings, sealants or adhesives such as glue or laminated coverings applied to panels, other than as specifically recommended in EPI's installation instructions.
- Damage caused by cleaners other than those cleaners recommended for periodic maintenance. Manufacturer instructions must be followed closely.
- Normal wear and tear or color changes due to exposure to smoke, fumes, leaks or abuse.
- Damage caused by wind or any other natural disaster caused by "An Act of God."
- Differences between sample or product photographs and actual product purchased.

Special Notes:
- We exclude and will not pay any consequential or incidental damage, loss or expense other than to the panels themselves. This warranty covers the replacement cost of panels only (labor and shipping not included).
- This warranty does not cover problems caused by improper installation methods. The installer must follow EPI written installation directions or the warranty is VOID.
- This warranty applies only to material purchased by you in unopened cartons.
- This warranty is non-transferable and applies only to the original purchaser.
- This warranty gives you specific legal rights, and you may have other rights which vary by jurisdiction.
- There are no implied warranties, representations or conditions, except those required by statute and they shall not extend beyond the term of the warranty applicable to your purchase.

Extrutech Plastics, Inc.   July 2016
5902 West Custer Street
Manitowoc, Wisconsin 54220
Toll Free   888-818-0118
Phone   920-684-9650
Fax   920-684-4344
Website   www.epiplastics.com
E-mail   info@epiplastics.com

Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat, SectionFormat,* and *PageFormat,* as described in *The CSI Construction Specifications Practice Guide.*

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers and titles are from *MasterFormat 2012 Update.*

SECTION 06 64 00

PVC PARTITION WALL PANEL

Specifier Notes: This section covers Extrutech Plastics, Inc. "P224", PVC partition wall system.
Consult Extrutech Plastics, Inc. for assistance in editing this section for the specific application.

PART 1   GENERAL

1.1   SECTION INCLUDES

A.   Interior, Exterior, PVC partition wall system.

1.2   RELATED SECTIONS

Specifier Notes: Edit the list of related sections as necessary. Include section numbers and titles. Limit the list to sections with specific information that the reader might expect to find in this section, but is specified elsewhere.

A.   Section 07 42 33 – Plastic Wall Panels.

B.   Section 10 22 19.33 – Demountable Plastic Partitions.

1.3   REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this section, complete with designations and titles.

A.   ASTM D 3273 – Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.

B.   ASTM D 3274 – Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Fungal or Algal Growth, or Soil and Dirt Accumulation.

C.   ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

D.   ISO 9001:2008 – Quality Management Systems – Requirements.

1.4   SUBMITTALS

Specifier Notes: Edit submittal requirements as necessary. Delete submittals not required.

A.   Comply with Section 01 33 00 – Submittal Procedures.

B.   Product Data: Submit manufacturer's product data, including installation instructions.

C.   Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, tolerances, materials, components, fabrication, fasteners, finish, options, and accessories.

D.   Samples: Submit manufacturer's sample of wall panels.
1.   Size: Minimum 6 inches long by panel width.

E.   Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.

F.   Manufacturer's Project References: Submit manufacturer's list of successfully completed wall system projects, including project name and location, name of architect, and type and quantity of wall system furnished.

G.   Cleaning Instructions: Submit manufacturer's cleaning instructions.

H.   Warranty Documentation: Submit manufacturer's standard warranty.

1.5   QUALITY ASSURANCE

A.   Manufacturer's Qualifications:
1.   Manufacturer regularly engaged, for past 20 years, in manufacture of wall systems of similar type to that specified.
2.   ISO 9001:2008 QMS certified company.

B.   Installer's Qualifications:

     1.   Installer regularly engaged, for past 5 years, in installation of wall systems of similar type to that specified.

     2.   Employ persons trained for installation of wall systems.

1.6   DELIVERY, STORAGE, AND HANDLING

A.   Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B.   Storage and Handling Requirements:
1.   Store and handle materials in accordance with manufacturer's instructions.
2.   Keep materials in manufacturer's original, unopened containers and packaging until installation.
3.   Store materials in clean, dry area indoors.
4.   Do not store materials near sources of heat.
5.   Do not store materials directly on floor.
6.   Store materials on flat, level surface, raised above floor, with adequate support to prevent sagging.
7.   Protect materials and finish during storage, handling, and installation to prevent damage.

1.7   AMBIENT CONDITIONS

A.   Cold Temperatures: Warm panels to a minimum of 60 degrees F (16 degrees C) overnight before field-cutting in ambient temperatures below 40 degrees F (4 degrees C).

B.   Warm Temperatures: Cool panels to a minimum of 70 degrees F (21 degrees C) overnight before installing panels in ambient temperatures above 70 degrees F (21 degrees C).

1.8   WARRANTY

A.   Conditional Warranty Period:
1.   Wall Panels: 15 years.
2.   Accessories: 15 years.

PART 2   PRODUCTS

2.1   MANUFACTURER

A.   Manufacturer: Extrutech Plastics, Inc., 5902 West Custer Street, Manitowoc, Wisconsin 54220. Toll Free 888-818-0118. Phone 920-684-9650. Fax 920-684-4344.
Website www.epiplastics.com. E-mail info@epiplastics.com.

2.2   PVC PARTITON WALL PANELS

Specifier Notes: Consult Extrutech Plastics, Inc. for availability of insulated, or reinforced panels.

A.   Wall Panels: "P224".

     1.   Description: Interior, Exterior, washable, multi-chamber, rigid, PVC partition wall panels.

2. Material: 100 percent virgin, exterior-grade PVC.
   a. Recyclable Content: 100 percent.
3. Panel Connection: Tongue and groove connection system with no exposed fasteners.
4. Each Panel: Eight 2 3/4 - inch by 2-inch chambers.
5. Each Camber:
   a. Runs length of panel.
   b. External Wall Thickness: 0.110 inch.
   c. Internal Wall Thickness: 0.050 inch.
6. Panel Surfaces: Flat.
7. Thickness: 2-1/4 inches.
8. Panel Width: 24 inches.
9. Unit Weight: 2.0 psf.
10. Fungus Resistance, ASTM D 3273 and D 3274: No mold or mildew growth.
11. Nonporous.
12. Waterproof.
13. Corrosion proof.
14. Termite resistant.
15. Does not conduct heat or electricity.
16. No exposed fasteners.
17. Acceptance:
    a. USDA.
    b. Canadian Food Inspection Agency (CFIA).

Specifier Notes: Specify panel color. Consult Extrutech Plastics, Inc. for availability of custom colors.

18. Color, Both Sides: [Bright White].
19. Finish, Both Sides: Smooth, high gloss, reflective.

2.3   FABRICATION

A. Shop Fabrication: Shop-cut wall panels to required lengths.

2.4   ACCESSORIES

Specifier Notes: Delete accessories not required.

A. Trim Accessories:

1. Fitted Outside Corner Trim: "P0225".
   a. Material: Same as wall panels.
   b. Color: Bright White.
   c. Finish: Match wall panels.
   d. Lengths: 8' and 16'
2. Slip-on Outside Corner Trim: "P0226".
   a. Material: Same as wall panels.
   b. Color: Bright White.
   c. Finish: Match wall panels.
   d. Lengths: 9' and 18'

3. Rigid PVC U-Channel: "EPI0125".
   a. Material: Same as wall panels.
   b. Color: Bright White.
   c. Finish: Match wall panels.
   d. Lengths: 9' and 18'
4. Optional -Fastener Filler Insert: 1"x 2" PVC Brickmould "WM180".
   a. Material: Foamed PVC
   b. Color: White.
   c. Finish: Smooth, Flat.
   d. Lengths: 9' and 18'
5. Optional - Stiffener Insert: 1"x 2" - 14 ga. tube steel
   a. Material: 14 ga. tube steel
   b. Color: Black
   c. Finish: non-finished - optional (Primed)
   d. Lengths: - ¼" of requested P224 panel length
6. Optional - Sealant:
   a. DAP clear, 100 percent silicone rubber sealant
   b. Use to seal panel and trim joints
7. Optional - Adhesives
   a. Heavy-duty construction adhesive
   b. Use as panel and trim adhesive

PART 3   EXECUTION

3.1   EXAMINATION

A.   Examine areas to receive wall system.

B.   Notify Architect of conditions that would adversely affect installation or subsequent use.

C.   Do not begin installation until unacceptable conditions are corrected.

3.2   PREPARATION

A.   Prepare surfaces in accordance with manufacturer's instructions.

3.3   INSTALLATION

A.   Install wall system in accordance with manufacturer's instructions at locations indicated on the Drawings.

B.   Install wall system plumb, level, square, flat, and in proper alignment.

C.   Install wall system to be waterproof and washable.

D.   Install wall panel and trim accessories in accordance with manufacturer's instructions.

E.   Use fasteners in accordance with manufacturer's instructions to install wall system securely to supports.

3.4 **ADJUSTING**

A. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.

3.5 **CLEANING**

A. Clean wall system promptly after installation in accordance with manufacturer's instructions.

B. Do not use harsh cleaning materials or methods that could damage finish.

C. Do not use abrasive cleaners.

3.6 **PROTECTION**

A. Protect installed wall system from damage during construction.

END OF SECTION