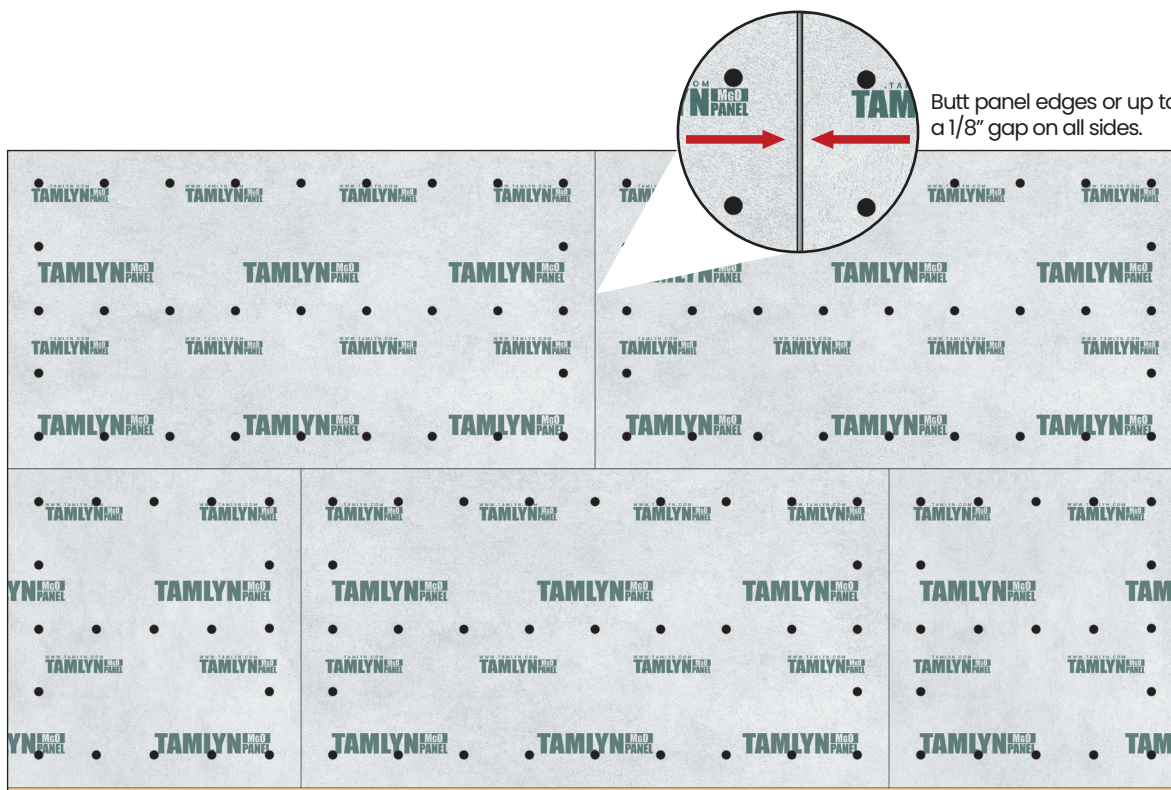


GENERAL

Standard wall applications using 1/2" (12mm) or 5/8" (16mm) **Tamlyn Mgo**[®] panels shall conform to these guidelines. For fire-rated assemblies, follow the details and requirements of the specified fire-rated assembly design.

- Ensure that the area of installation is fully closed and conditioned in accordance with the project requirements before mounting **Tamlyn Mgo**[®] panels to the wall. **Tamlyn Mgo**[®] panels shall be acclimated to conditioned space a minimum of 48 hrs prior to installation.
- Install **Tamlyn Mgo**[®] panels with the long dimension either vertically parallel to framing (studs) or horizontally perpendicular to framing (studs). Stagger seams between rows of panels.
- For interior applications, **Tamlyn Mgo**[®] panels may be installed with up to a 1/8" gap around all edges to allow for joint compound and finishing. **(FIG 1)**
- Bottom course of wall panels must have a minimum 1/4" space from flooring to the bottom of the panel.

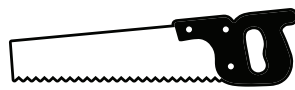
FIG 1:



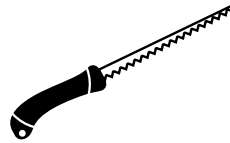
CUTTING

Tamlyn MgO[®] panels may be cut using standard fine tooth handsaw, gypsum board saw or power saw. **(FIG 2)** Carbide tipped blades may provide cleaner cuts and prolonged blade life. **Use appropriate protective equipment such as gloves, dust mask and safety glasses.**

FIG 2:



Standard Fine
Tooth Handsaw



Gypsum Board Saw

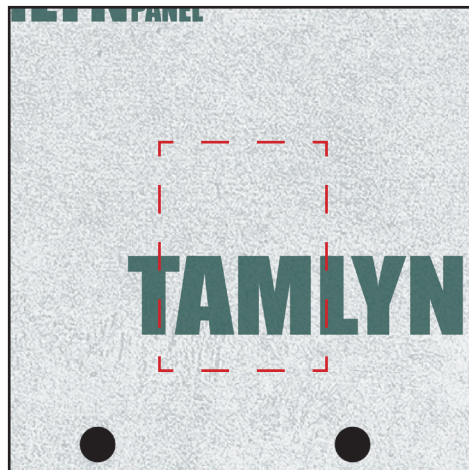


Power Saw

Openings for Pipes and Fixtures:

- Mark the location and outline of the pipe or fixture on the panel. **(FIG 3)**
- Openings may be cut using one of the following methods:
 - » Score and cut the mesh on both sides of the panel with a utility knife, then carefully punch out the opening from the back side.
 - » Use a drill equipped with an appropriately sized hole saw.
 - » Use a jigsaw or handsaw to cut the opening.

FIG 3:

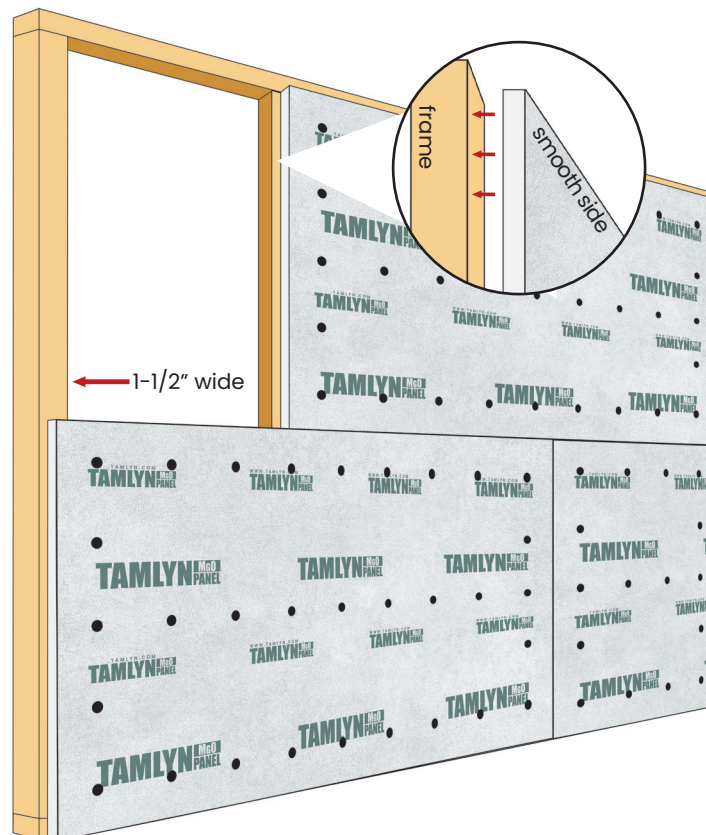


FRAMING

Prior to installation, inspect the framing to ensure the face of the studs or joists are straight, plumb, and free from warping or bowing. Repair or replace any damaged framing members. During installation, the **Tamlyn MgO**[®] should lay flat against the framing and maintain continuous contact with studs or joists with all panels properly aligned and supported by the framing members.

- Framing members may be wood, light gauge steel or heavy gauge steel. All cut or patch panel edges must be supported with framing or blocking.
- Framing width should at minimum 1-1/2" wide. **(FIG 4)**
- Framing members must be plumb and in-plane. **Tamlyn MgO**[®] panels will not correct out-of-plane irregularities in wall framing members.

FIG 4:



FASTENERS

- Fasteners must be code-approved and either corrosion-resistant or coated for corrosion resistance (e.g.-hot-dipped galvanized or better).
- Use wood rated (W) or steel rated (S) countersunk screws approved for cement board use.

ADHESIVE

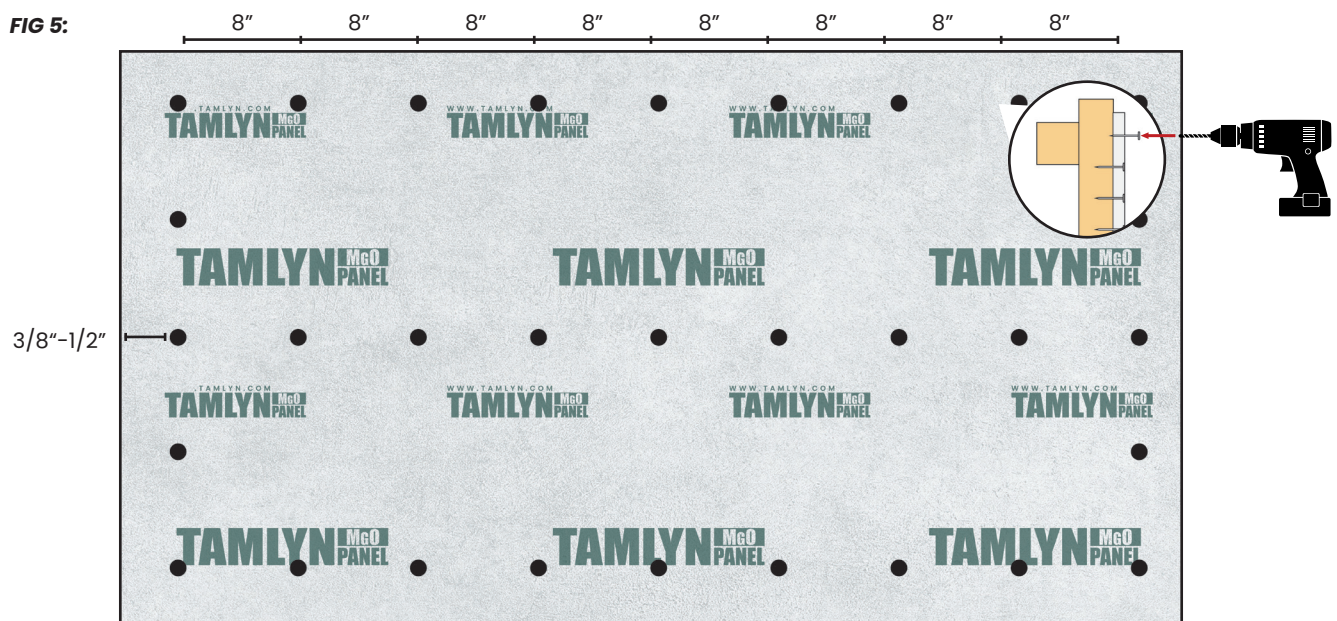
Adhesive may be used with mechanical fasteners required to enhance panel attachment and improve surface appearance.

- Use a construction adhesive suitable for the application and compatible with the framing material. Solvent-based or polyurethane construction adhesives meeting APA AFG-01 or ASTM D3498 are recommended.
- Framing surfaces must be clean and free of dust, dirt, oil, moisture, and other contaminants before adhesive application.
- Install and fasten **Tamlyn MgO**[®] panels before the adhesive develops a surface film or “skin.”

FASTENING

- **Tamlyn MgO**[®] shall be installed with the smooth side facing outward, and the rough, textured side in contact toward the framing members. **(FIG 5) Do not fasten the corners first.** Start from one side and work across the panel.
- Approved “W” screws must penetrate wood framing a minimum of 1 inch. Approved “S” screws must penetrate steel framing at least 0.5 inch.
- All fasteners shall be slightly countersunk below **Tamlyn MgO**[®] panel surface to allow for proper finishing.
- Screws shall be installed using a torque adjustable screw gun. Do not overdrive fasteners into panel.
- Install fasteners straight and perpendicular to **Tamlyn MgO**[®] wall sheathing panels and securely into framing members.
- Fasteners must be spaced 3/8-inch-1/2-inch from all edges and no closer than 2-inch from any corner.
- Attach **Tamlyn MgO**[®] panels to the framing members with fasteners spaced 8-inches on center along the edges and 12-inches on center in the field of the panel.
- When installing panels on the ceiling, additional help and use of T-braces may be required.

FIG 5:



FINISHING GUIDELINES

Finishing of **Tamlyn MgO**[®] panels is done similar to standard drywall applications.

- **Tamlyn MgO**[®] panel edges may be sanded to smooth out any irregularities or rough edges.
- Surface and edges may be dampened with a sponge or spray prior to joint treatment.
- Install metal corner beads as required for reinforcement. Fasten corner beads with approved nails. Nails must penetrate studs per manufacturer guidelines.
- Around windows and doors, metal trim may be fastened to the studs prior to finishing.
- Use joint compound complying with ASTM C475.
- Use alkali resistant joint tape complying with ASTM C475.
- Apply a first layer of joint compound over corner beads and seams. Embed joint tape where required and per manufacturer guidelines. Excess joint compound may be used to apply a thin layer over tape.
- Allow joint compound to dry completely between application layers. Lightly sand or scrape high spots as required. Wipe surface with a clean damp sponge. Apply second layer of joint compound feathering 2-inches beyond dry joint compound layer. For best results, apply a third layer of joint compound feathering 2" beyond second layer.
- Apply a layer of joint compound over fasteners and feather at least 2-inches beyond edges. Allow to dry, sand as required and apply additional layers as needed.
- Apply primer and finish per manufacturer guidelines.

REPAIRS

- **Small Dings or Fastener Pops**

Ensure fasteners are countersunk slightly below the surface. Apply a layer of joint compound to fill area and feather 2-inches beyond edges. Allow to dry and apply additional layers as required for desired finish.

- **Larger Cracks**

Trim edges and repair using joint compound and joint tape. Feather subsequent joint compound layers to achieve a smooth repair.

- **Large Holes**

Cut out damaged area to studs. Insert a patch fastening to studs. Finish seams per finishing guideline.