

Alwin Manufacturing Co, Inc., d.b.a. E-Z Taping Systems®
Design Number EZT/WA 120-01
Joint Tape
Flame Fighter Fire Tape®
ASTM E119, UL 263, NFPA 251, CAN/ULC S101
Fire Resistance Rating – 2 Hours

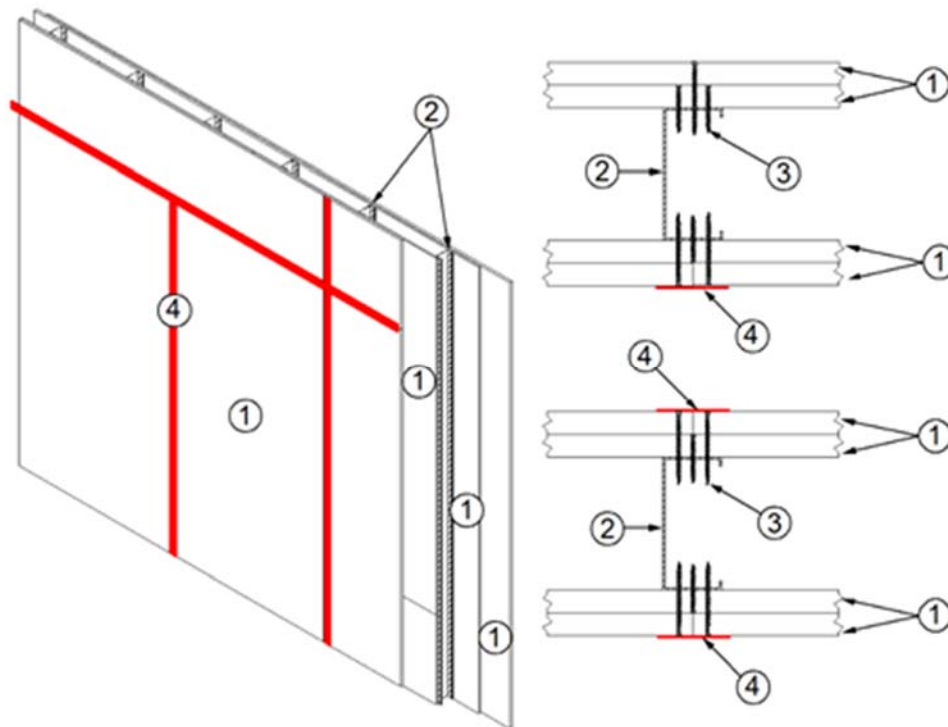


Figure 1 – Wall Assembly & Details

1. GYPSUM BOARD – Select any 2 hour, fire-resistance rated, loadbearing or non-loadbearing, wall assembly comprised of steel stud framing (Item 2) clad with gypsum board under Intertek's Design Number Designated WA-120, *Wall Assembly*, or under UL's Category BXUV and ULC's Category BXUV7, *Wall and Partition*, Design Numbers 400-499 under Designations U, V

and W; or under the Gypsum Association's GA-600, *Fire Resistance Design Manual* under GA File Numbers 1000-6999 under Designation WP, *Noncombustible Walls & Partitions*. Gypsum board panel's nominal thickness shall be as specified in the specific Intertek or UL Design Number selected. Gypsum board panels shall comply with ASTM C1396/C1396M, *Standard*



Specification for Gypsum Board; ASTM C1177 Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; or ASTM C1658 Standard Specification for Glass Mat Gypsum Panels and be Listed and Labeled under a recognized third-party Listing and Follow-up Program. Gypsum board panels shall be installed in accordance with ASTM C840, Standard Specification for Application and Finishing of Gypsum Board, and GA-216 Application and Finishing of Gypsum Panel Products. All vertical joints of gypsum board panels shall be tightly abutted and centered over steel studs. All horizontal joints of gypsum board panels shall be tightly abutted and offset minimum of 12 in. between opposing gypsum board wall assembly faces.

2. STEEL FRAMING – Steel studs and tracks shall be as specified in the specific Design Number compliant with Item 1 for size and gauge as well as attachments and length of steel studs in relationship to distance between steel top and bottom tracks (not shown). Steel stud cavities can be either empty or filled with insulation as specified in the specific Design Number compliant with Item 1.
3. FASTENERS – Spacing pattern, length, and diameter of fasteners shall be as specified in the specific Design Number compliant with Item 1. Use Type S screws for attaching gypsum board panels (Item 1) to light gauge steel framing members (Item 2) and screws shall comply with ASTM C 1002, *Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs*.
4. CERTIFIED MANUFACTURER: E-Z Taping Systems®

CERTIFIED PRODUCT: Joint Tape

CERTIFIED MODEL: Fire Fighter Fire Tape®

JOINT TAPE – Use patented, multi-layer, fiberglass reinforced, Fire Fighter Fire Tape® with pressure sensitive adhesive tested to requirements for joint tape under ASTM C474, *Standard Test Methods for Joint Treatment Materials for Gypsum Board Construction*, complying with requirements for joint tape under ASTM C475, *Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board*.

- A. Fire Fighter Fire Tape® is typically used as a Level 1 Finish as described in GA-216, *Recommended Specifications for the Application and Finishing of Gypsum Panel Products*, (ASTM C840, *Standard Specification for Application and Finishing of Gypsum Board*) because it is not required to be set in or covered by joint compound. Level 1 Finish applications are typically used in unfinished parts of the building where aesthetics are not an issue, such as in plenum areas above ceilings, in attics, in areas where the assembly would generally be concealed or in building service corridors; and other areas not normally open to public view or such as in corridors, storage rooms, garages, parking structures, and other similar areas.
- B. Center and apply Fire Fighter Fire Tape® over the vertical and horizontal gypsum board panel (Item 1) butt joints covering the butt joint and fasteners (Item 4). The butt joints and angles of the gypsum



board panels (Item 1) shall be clean, e.g., free of dust or powder, and completely dry prior to the application of Fire Fighter Fire Tape®. The pressure sensitive adhesive shall be in complete

contact with the adjacent gypsum board panel (Item 1) surfaces. Apply sufficient pressure to the Fire Fighter Fire Tape® using the E-

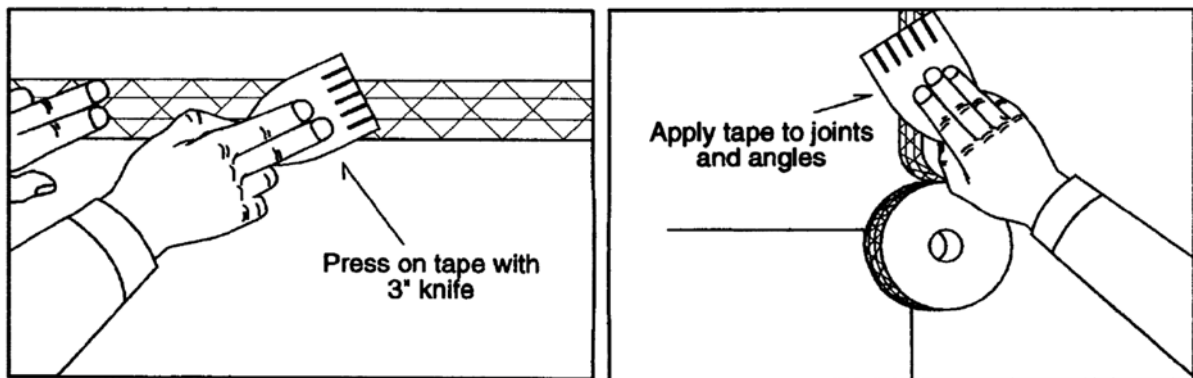


Figure 2 – Installation Methods

Use a 3 in. plastic knife to aggressively adhere the pressure sensitive adhesive to the gypsum board panels' (Item 1) surfaces. Do not use your hand or any other tool because sufficient adhesion of the Fire Fighter Fire Tape® to the gypsum board panels (Item 1) will not be achieved. Use a corner roller to adhere Fire Fighter Fire Tape® to inside and outside gypsum board panel (Item 1) corners, e.g., angles.

- C. The exposed outer surface of the Fire Fighter Fire Tape® is treated with silicone. Do not overlap Fire Fighter Fire Tape® onto itself because it will not adhere to itself. At intersections of Fire Fighter Fire Tape®, e.g. "L", "⊥" and "T", abut the leading edge of the Fire Fighter Fire Tape® to the

longitudinal edge of the Fire Fighter Fire Tape® being intersected.

- D. Joint compound and paint will not adhere to Fire Fighter Fire Tape® without the application of an oil-based primer. When paint or a Level 2 or a Level 3 Finish using joint compound is desired, a compatible primer is required to promote adhesion to Fire Fighter Fire Tape®. A *Rustoleum*® primer called Zinsser® Bulls Eye® Odorless¹ has been found suitable to coat over Fire Fighter Fire Tape® to promote adhesion to Fire Fighter Fire Tape®. After the primer is applied in accordance with the manufacturer's instructions and completely dry, joint compound or a latex paint can be applied over Fire Fighter Fire Tape®.

¹ <http://www.rustoleum.com/product-catalog/consumer-brands/zinsser/primer-sealers/odorless-oil-base-stain-blocker/>



- E. Use only rolls of Fire Fighter Fire Tape® bearing the Intertek Mark for the United States (US) and Canada (C).

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.