

AC23 – Installation and Manufacturer Recommendations



Installation/Training, Recommendations, and Repair

Installation/Training

- 1) Install framing profile to accommodate deflection & load requirements attaching with approved power actuated or mechanical fasteners per Engineer of Record
- 2) Overlap Safti-Seal FRG gasket per UL or Safti-Seal "constructability" designs
- 3) "Chase wall" conditions, locate Safti-Seal FRG in direction of "finished" side of wall
- 4) Training provided to installer of Safti-Seal product, a onsite review with installers may be conducted by Safti-Seal prior to installation

Recommendations

- 1) Store Safti-Seal FRG products in dry covered area avoiding exposure to excessive heat
- 2) Overlap Safti-Seal FRG gasket per UL or Safti-Seal Constructability designs
- 3) Compatible with **non-solvent** based products (caulks, paints, coatings, fire proofing, drywall "mud")
- 4) Provide protection of areas adjacent Safti-Seal FRG using UL classified applications
- 5) Penetrations through Safti-Seal FRG must be sealed per UL:
 - "non-solvent" mastic materials/caulks may be overlapped onto Safti-Seal FRG
- 6) Fasteners driven into Safti-Seal FRG to be driven in complete with gasket sealing around fastener
- 7) Voids adjacent Safti-Seal FRG (deck surface, seams, fins, or embossments) may be sealed with a sliver of mineral wool or mastic/caulks per UL to maintain listed L-ratings:
 - gaps up to 1/4" mastic/caulks to fill entire gap which may be overlapped onto Safti-Seal FRG
 - gaps greater than 1/4" insert min. 4 pcf mineral wool compressed 33% into and fill void

Repair and Installation Gaps

- 1) Bare locations on metal profiles where Safti-Seal FRG damaged/torn off:
 - clean metal profile "squaring" edges of opposing remaining Safti-Seal FRG
 - apply matching strip width (**Safti-Seal FRG** cover surfaces between opposing "squared" edges)
 - (optional) reattach Safti-Seal FRG where delaminated with 3M (high 90) adhesive
 - (optional) secure Safti-Seal FRG in place with wafer head fastner through Safti-Seal FRG
- 2) Gaps 1/8" or smaller between Framing profiles:
 - apply UL certified caulk filling gap between opposing edges of Safti-Seal FRG
 - alternate: cover gap overlapping both sides min. 1/2" (**Safti-Seal FRG**)
- 3) Gaps up to 1/4" or smaller between profiles:
 - cover gap overlapping both sides min. 1/2" (**Safti-Seal FRG**)
- 4) Gaps wider than 1/4":
 - install angle patch backing per Safti-Seal recommendations or UL Certifications