Cement Board

Material Specifications

Non-Combustible

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C shall be considered non-combustible materials.

Combustible

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered or unplastered shall be considered combustible materials.

Non-Combustible Cement Board

The LT2 Linear fireplace requires a 1/2" (13 mm) thick non-combustible cement board to be used as a wall surface immediately surrounding the unit's opening—see diagram for minimum coverage.
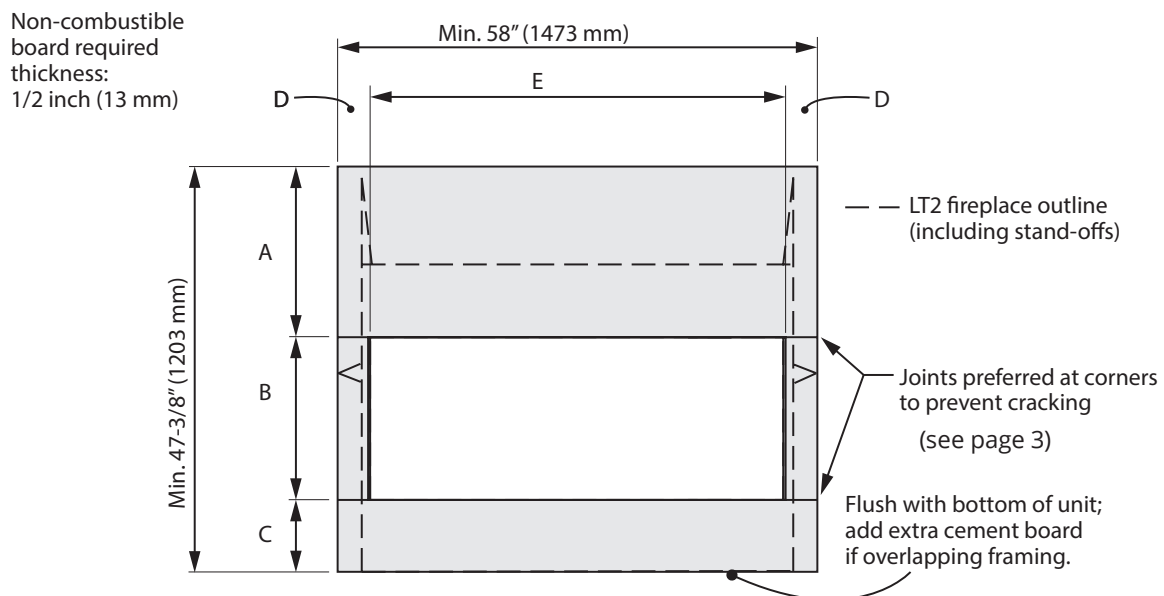
Extending the cement board well beyond the minimum shown will help avoid cracking due to differential expansion of materials.

Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.

Standard gypsum wall board may be used beyond the perimeter of the cement board.

inches [mm]	With 2775LFB trim	With 2730CIK trim
A	Min. 20-1/2 [521]	Min. 20-1/8 [511]
B	19-5/8 [498]	21 [533]
C	Min. 8-11/16 [221]	Min. 8 [203]
D	Min. 4 [102]	Min. 3-3/8 [84]
E	Min. 49-13/16 [1265]	Min. 51 [1296]

Minimum coverage area of non-combustible board.
Any **wall** finish applied to shaded area must be non-combustible.

Non-combustible board required thickness: 1/2 inch (13 mm)

Min. 58" (1473 mm)

Min. 47-3/8" (1203 mm)

LT2 fireplace outline (including stand-offs)

Joints preferred at corners to prevent cracking (see page 3)

Flush with bottom of unit; add extra cement board if overlapping framing.

Wall Finish — Trims

Finishing Over Non-Combustible Board

Additional material such as tile, etc., may be applied over top of the non-combustible board or you may choose to leave it finished clean with no tile, etc.
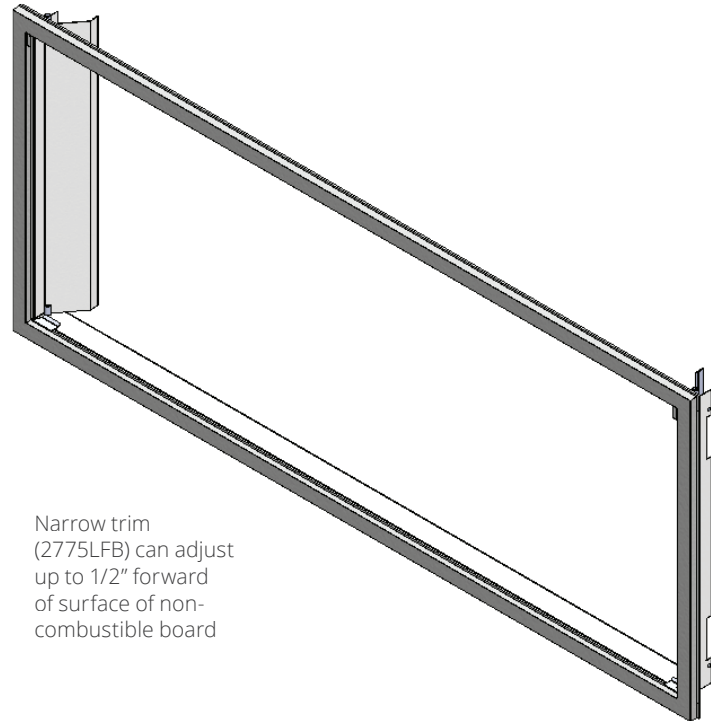
Be aware that a trim is always required. Finish **should not cover** the trims.
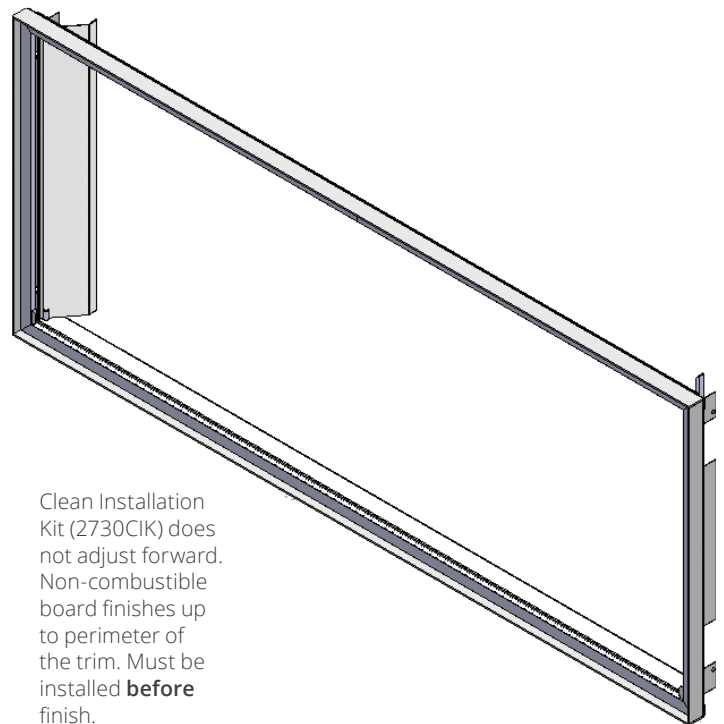
2775LFB Trim

Only the 2775LFB style trim will accept tile, etc. tucked behind it (up to 1/2" thick for the 2775LFB).

2730CIK Trim

The 2730CIK trim must be installed **BEFORE** non-combustible board. Non-combustible board and finishes are applied to the perimeter of the trim frame. Non-combustible board and finish **CANNOT** be tucked under this trim.

Narrow trim (2775LFB) can adjust up to 1/2" forward of surface of non-combustible board

Clean Installation Kit (2730CIK) does not adjust forward. Non-combustible board finishes up to perimeter of the trim. Must be installed **before** finish.

Wall Finish — Avoid Cracking

Avoiding Cracking Wall Finishes

If a clean finish with no tile, etc. is desired, joints in the non-combustible board and the transition to gypsum board will require special attention if future cracking is to be controlled. Be aware that temperatures on the non-combustible wall surface above the appliance can approach 200°F (93°C).

> ⚠️ **WARNING:**
> **HeatShift System MUST be installed on this appliance.**

Below are some tips on how to best avoid any cracking:

- Allow materials to dry thoroughly before finishing the wall. Non-combustible board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8" over a 48" length when drying from a saturated condition. Running the fireplace for an extended period before final finishing will help drive out moisture.

- Always pre-drill screw holes through non-combustible board and use screws with self-milling head.
- Always use mesh tape over joints.
- Always stagger joints in wall board.
- Behind joints, double up studs or use studs "on the flat" to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.
- Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
- Ensure framing materials are dry.
- After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.
- Avoid notching non-combustible board or tiles around corners of window opening and instead provide a joint that intersects the corner.
- **Avoid using large one-piece slab of material with a cut-out in the middle as a surround for the fireplace.** Expansion above the opening will cause cracking at inside corners. Provide a joint that intersects the inside corner to avoid cracking.

Cracks

Provide joints either here or here

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