



## Install Guide & Tips – Mineral Wool Flute Fill

### Mineral Wool Flute Fill - Deck Plugs

Mineral Wool used as "flute fill" for fluted deck conditions in conjunction with Safti-Seal FRG required install to meet UL listed assemblies as follows:

**3A. Forming Material\*** — Min 4 pcf (64 kg/m<sup>3</sup>) density mineral wool batt insulation cut to the width of the ceiling runner and to a thickness 33 percent greater than the height of the flutes and compressed and installed into flutes above ceiling runner. When max. open joint width is greater than 2 in. (50 mm) the width of the mineral wool batt insulation shall be equal to the overall thickness of the wall. When gaps are present above ceiling runner at steel deck seams or embossments in steel deck valleys, a sliver of mineral wool batt insulation shall be used to seal each gap to attain L Ratings.

**ROCK WOOL MANUFACTURING CO** — Delta Board

**ROXUL INC** — SAFE Mineral Wool Batts

**3A1. Forming Material\*-Plugs** — (Not Shown) As an alternate to the forming material (Item 3A), mineral wool plugs preformed to the shape of the fluted floor units or roof deck, may be used within the flutes. Plugs shall be friction fitted to completely fill the flutes.

**Safti-Seal** — Oversize Deck Plugs

**Safti-Seal** — Wrapped Deck Plugs

**3D. Fill, Void or Cavity Material\* — Sealant** — (Not Shown) - As an alternate to sliver of mineral wool batt insulation in Item 3A, sealant may be used to seal each gap at steel deck seams or embossments in steel deck valleys to attain L Ratings.

**UNITED STATES GYPSUM CO** — Type AS

**RECTORSEAL** -

Metacaulk - 1000, 350i, MC 150+, 950, 1100,1200, 1500

Biostop - 500+, 350i, BF 150+, 700, 750,800

Flamesafe - FS1900, FS900+, FS3000

### Installation Tips:

- 1) Compress mineral wool by hand or foot before insertion for ease of insertion into cavity
- 2) Framing wider than 3 5/8" - install two pieces (min. half width of framing) one from either side
- 3) Areas above Safti-Seal FRG to be completely filled (no gaps or light shining through)