



DELTA Deck Plugs are precision-cut from noncombustible UL® classified high-density mineral fiber DELTA Board using our patented V-grooving technology to facilitate compression into the fluted profile of metal decks encountered at top-of-wall joints. DELTA Deck Plugs are available in three (3) standard sizes to closely match the profiles of the most frequently specified metal decks:

For Top-Of-Wall @ Roof Deck Joints:

Type I Profile: 1.5" thick x 3.5"x4.5" width x 36" long

Type V Profile: 1.5" thick x 4.5"x5.5" width x 36" long

For Top-Of-Wall @ Floor Deck Joints:

Type III Profile: 3.0" thick x 5.0"x7.0"x36" long

Special non-standard sized precision-cut by agreement as to dimensions and quantities are available.

Note: Plug cross-sections are slightly over-sized to facilitate a snug compression fit and to overcome small dimensional variations of deck profiles among various metal deck manufacturers. The above dimensions are nominal and refer to the nominal size of the flute for which they are intended. Achieving the actual percentage of compression required by the listing agency the responsibility of the installing contractor.

DELTA Deck Plugs are manufactured in 36" long strips that are easily and precisely field cut to the length required using a suitable knife, i.e. 6" long belting knife. Most listed top-of-wall joint assembly descriptions specify a percentage of compression for the UL® classified mineral fiber forming material to assure that flutes remain fully packed within the dynamic limits anticipated by the joint's design. A suggested sequence for installation is 1) compress DELTA Board between the top-of-wall and the ribs of the metal deck, then 2) compress DELTA Deck Plugs to fit snugly into every flute above the DELTA Board.

Benefits:

- By cutting each DELTA Deck Plug to the precise length required, a smooth substrate over which firestop caulk or sealant can be most cost effectively applied according to the firestop material manufacturer's instructions.
- inspecting fire marshals and building code officials may be more confident that flutes are completely filled with UL® classified mineral fiber forming material.
- Flute-shaped DELTA Deck Plugs reduce the otherwise tedious time and consuming labor needed to cut, fit, completely fill and properly compress high-density mineral fiber board into the irregularly shaped flute openings and gaps between tops of walls and metal decks. Thus, production time can be reduced and critical construction schedules may be more easily met.

Technical Data:

Density: Nominal 7.0 lbs/ft³ (Nominal 112 Kg/m³)

Corrosion [Steel, Aluminum & Copper] per ASTM C 665
...None

Moisture Sorption [Vapor] per ASTM C 1104..... Less than 1%

Water wicking resistant • Non-hygroscopic • Does Not Promote Growth of Fungi or Bacteria

Per Test Method UL®-723:

Flame Spread Index = 0

Smoke Developed Index = 0

When UL® tested in accordance with ASTM E 136-95, DELTA Boards are designated as "noncombustible".