



If the exhaust is over 600°F, it is not “just another outlet.” IMC 510.2: outlets exceeding 600°F (315°C) are designed as a chimney per Table 510.2 (single-wall metal chimneys). Minimum wall thickness in all categories: 0.127 in (No. 10 MSG). A 10-ft grease-fan typical is the wrong sheet.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 510.2. Confirm the adopted edition. Distinct from 510 dust conveying and IMC 805 medium-heat factory-built. This is not a chimney design.

☐ **All categories: minimum wall thickness 0.127 in (No. 10 MSG).**

High-heat (over 2,000°F): lining 4½ in laid on a 4½ in bed. Terminate 20 ft above the roof opening, and 20 ft above any part of a building within 50 ft. Clearance: per the design engineer — combustibles not exceeding 160°F.

☐ **Medium-heat (2,000°F max): lining up to 18 in diameter = 2½ in; over 18 in = 4½ in on a 4½ in bed. Terminate 10 ft above the roof opening.**

Low-heat (1,000°F normal): no lining. Terminate 3 ft above the roof opening, and 2 ft above any part of a building within 10 ft. Clearance to combustibles: 18 in interior, 6 in exterior. Clearance to noncombustibles: 2 in up to 18 in diameter, 4 in over 18 in.

☐ **Lining generally extends bottom to top of the outlet. For the noted condition: lining extends 24 in below the connector to the roof.**

Heat class first — then thickness, lining, height, and clearance.

The fail we see first

A 600°F+ process stack detailed like a kitchen upblast. Or “terminate per manufacturer” with no Table 510.2 class.

What to send: the exhaust temperature at the outlet (or the process that sets it), whether a heat class is named on the drawings, and the proposed termination height and clearance.

Send the comments. Not the County guideline.

Folio (does it start with 30?), process or UP number, and the comments PDF. Masterbuild will say which row is actually open.

masterbuildconsulting.com/send/

+1 (786) 398-6940 · Calendly: 30-minute scoping call

Masterbuild provides engineering services under a written scope. Not a chimney design. 600°F, No. 10 MSG, and Table 510.2 heights/clearances are Daily Code Talk education. Confirm adopted 510.2. This is not legal advice.