



One R-value for the whole job is incomplete. Location, vapor retarder, weather jacket, and the 24-inch coil-discharge zone each generate their own redline. Meet both IMC Table 604.3 and the energy code — put the governing standard on M-001.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 604. Confirm the adopted energy code and climate zone. This is not an R-value table for your project.

- ☐ **Listed, labeled, installed per manufacturer. ASTM E84 or UL 723: max flame spread 25, max smoke developed 50.**
R-values by climate zone and location (supply vs return, conditioned vs unconditioned, attic, crawl, exterior).
- ☐ **Insulation continuous at hangers and penetrations. Do not fill the firestop annular space or bridge a damper.**
Permanently identify R-value, material type, and flame-spread/smoke-developed index.
- ☐ **Cooling ducts in unconditioned space: vapor retarder on the outside, joints sealed. Outdoor duct: weatherproof / UV-rate**
604.13: water-permeable internal lining is prohibited in the cooling-coil discharge zone. If the AHU instructions do not specify the zone, Daily Code Talk applies a minimum of 24 inches downstream of the coil face.

The fail we see first

The liner runs through the coil discharge. Or one R-value for the whole set.

What to send: climate zone, whether ducts are in a vented attic or outdoors, and the AHU discharge detail if one exists.

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 an R-value table. Confirm adopted 604. This is not legal advice.