

PLUMBING AND MECHANICAL
INTERPRETATION MANUAL



CODE: 2003 IRC, IPC, IFGC & IMC

DATE:

CODE REF: I-Codes Table G2426.4 (503.4)

4/6/2004

SUBJECT: Venting of Category II, III and IV

Question: What is the approved material for Category II, III & IV appliances?

Answer: Previously B-vent had been allowed. However, B-vent is only allowed for use with category I (natural draft/non- condensing) gas fired equipment. It is NOT allowed for category II, III or IV heating equipment. Furthermore, according to UL the only grade of stainless that is currently allowed for category III equipment is AL29-4C ss. No other vent material meets the Sec 36, UL 1738 requirements for category III appliances. The reason B-vent cannot be used is because it has an aluminum flue gas conduit and aluminum cannot with stand the extreme corrosive environment found in these high efficiency (84% and up) units where cool flue gasses are vented under pressure. This is precisely the reason why manufacturers of category III hydronic heating equipment clearly state that AL29-4C vent material must be used

Therefore, the following material is approved for this venting application:

ProTech Systems Inc. "FasNSeal Vent Systems." There two (2) different products for this application:

1. FasNSeal W2 (Double Wall)
2. FasNSeal Direct Vent System (Single Wall)

At this time this is the only product of this kind that has requested approval. If you discover other manufactures of similar products direct them to the Chief's office for approval

Approval of this material must comply with manufactures installation instruction and applicable codes.

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