



OPTIONAL SEALING OF DAMPERS IN FIRE & SMOKE RATED WALLS OR FLOORS

Installation Instructions Supplement



NOTE: This is an installation *supplement*. Please refer to the original IOM for all applicable products before using this document.



APPLICATION:

The need to seal the damper in the penetration is not required by Underwriters Laboratories.

NCA dampers have been tested and approved to be mounted without the use of sealants around the perimeter space between the damper and the penetration. In certain cases, local codes request that this space be sealed to try and keep the integrity of the smoke barrier. These instructions have been produced to give direction where to apply caulk, if required by local codes.

PROCEDURE NOTES:

1. Follow NCA's standard/general installation instructions for proper installation of the damper in the wall / floor.
2. Clean all areas where the sealant is going to be applied. Remove dirt, oil, grease, or moisture from surface to be sealed. Allow to dry thoroughly.
3. Using an approved sealant: General Electric 1200, RTV 108, Dow Corning RTV 732, or Nuco 302 general purpose or high temp red), apply a continuous bead around the outside perimeter of the retaining angle, sealing them to the fire wall/floor (see Figure 1-#6). Do not apply caulk between angle and wall/floor. Also apply a continuous bead between the retaining angle and the damper sleeve (see Figure 1-#7). Be sure to seal the joints/corners of the retaining angles.
4. Be sure not to apply or get sealant within the required expansion gap between the sleeve and the fire wall/floor penetration. This gap is necessary for thermal expansion in the event of a fire.
5. After sealant is applied and before it sets-up, press the surface of the sealant in place to dispel any air. Do not operate the damper until the sealant has become tack-free.

Figure 1 Key

- (1) UL fire and smoke rated wall or floor
- (2) Retaining Angles
- (3) Fire, Smoke or Combination Fire/Smoke damper
- (4) Sleeve
- (5) UL Approved Fasteners
- (6) Sealant to Wall
- (7) Sealant to Sleeve

Figure 1:

