

From: Howard Ahern
Sent: Thursday, November 29, 2007 3:24 PM
To: 'cgekas@energy.state.ca.us'
Subject: 150(m)9 - no adhesives or tape

Dear Chris

Standard 150(M) 9 needs to include the language “no adhesives “or no tape”.

Reason: Many contractors are using tape i.e., duct, line set tape etc. that defeats the propose of the code.

The standard is specific in stating:” protected by aluminum, sheet metal, painted canvas, or plastic cover.”

Tape is a far cry from the intent of this code; it uses adhesives that break down under moisture and California’s warm weather causing the tape to simply unravel thus defeating the purpose of the code to protect the insulation.

The standard needs to clarify “no adhesives “

Tape-a strip of cloth, paper, or plastic with an adhesive surface, used for sealing, binding, or attaching items together

Cover-to place something over or upon, as for protection,

The standard needs to clarify “no adhesives “

This change will not increase the cost of construction

Protection of Insulation

§150(m)9

Insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind but not limited to the following:

Insulation exposed to weather must be suitable for outdoor service e.g. protected by aluminum, sheet metal, painted canvas, or plastic cover, no adhesives shall be used.

Cellular foam insulation shall be protected as above or painted with a coating that is water retardant and provides shielding from solar radiation that can cause degradation of the material.

Figure 4-2 – Refrigerant Line Insulation

Insulation used with the suction line must be protected from physical damage or from UV deterioration. Pipe insulation in outdoor locations is typically protected by an aluminum or sheet metal jacket, painted canvas, plastic cover, **with no adhesives or** coating that is water retardant and UV resistant. See §150(m)9 in the Standards. See

5.2.4 Insulation Protection

§150(j)3.

If hot water piping insulation is exposed to weather, it must be suitable for outdoor service. For typical cellular foam pipe insulation, this means protection with aluminum, sheet metal, painted canvas, plastic cover , **no adhesives shall be used** or a water retardant paint coating that shields from solar radiation.

Sincerely

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