

## **DUCT WRAP SHORT FORM SPEC**

All ducts requiring thermal treatment shall be insulated with CertainTeed Duct Wrap, [choose Type: 75, 100, 150] with [choose one: Foil Scrim Kraft (FSK) or vinyl film] vapor retarder facing. The insulation shall have a k-value of (0.29, 0.26, 0.24) respectively at 75° F mean temperature.

Thickness and R-value of the insulation shall be as installed. Installed thicknesses and R-values shall be based on 25% compression of the wrap.

Sheet metal ductwork shall be clean, dry and sealed tightly prior to insulating with Duct Wrap.

To ensure installed thermal performance, Duct Wrap shall be cut to "stretch-out" dimensions. This requires measurement of the duct perimeter, then cutting the duct wrap to the dimension (perimeter + add-on) indicated in the manufactures' stretch-out chart. A 2" piece of insulation shall be removed from the facing at the end of the piece of insulation to form an overlapping stapling and taping flap.

The duct wrap is installed with the facing out. Adjacent sections of duct wrap shall be tightly butted with the 2" stapling and taping flap overlapping. Seams shall be stapled approximately 6" o.c. with \_" min. steel outward clinching staples.

Where rectangular ducts are 24" in width or greater, duct wrap insulation shall be additionally secured to the bottom of the duct with mechanical fasteners spaced 18" o.c. to prevent sagging.

Where a vapor retarder is required, seams shall be sealed with pressure-sensitive tape matching the insulation facing. Seal all tears, punctures, and/or other penetrations of the duct wrap facing with tape or mastic to provide a vapor-tight system.