

▶ 3 Coat Stucco - Wall Assembly for Continuous Insulation

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The new energy code regulations means increased use of Continuous Insulation over framed wall construction. In steel stud construction especially, the transference of heat and cold through the stud itself, known as thermal bridging, can minimize or negate the desired R value of the cavity insulation. Utilizing foam insulation on the outboard side of the framed assembly known as Continuous Insulation can mitigate thermal bridging through the stud assembly and also assist in increasing the required R value.

We recommend the following Wall Assembly for continuous insulation assemblies for 3 Coat Stucco (Portland Cement Plaster) 3/4" to 7/8" thick at 10psf:

Stud spacing over 16": Mega Lath

Stud spacing over 16" w/Z-Girts: Mega Lath can be installed vertical to the framing

Stud Spacing at 16" or under: Twin Trac

Attachment:

Pan head or Wafer head (7/16" head diameter) sheet metal screws;

No 10-16; galvanized or zinc coated; self drilling; length – threads to penetrate metal framing by 1/2"

Spacing – vertically along each framing member, at each Twin Trac location, nominal 6 inch C-C

Continuous insulation:

1-1/2" or 2" thick

Minimum compressive strength 25 psi

With high compressive creep and fatigue resistance

WRB: Fluid applied or building wrap or asphalt paper

Sheathing: 1/2" plywood or 1/2" DensGlas

Steel framing: Light gauge metal framing, 16" o.c., minimum 20ga (0.030 inch)

If you require further information, please do not hesitate to reach out to us at 1-800-887-4708.