



ThermalStar® One™ Inspection of Fastening

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Proper fastening of ThermalStar One is important to assure the code prescribed bracing performance of the 7/16" OSB is functional. Following are inspection details that should be used to verify structural integrity is protected.

THERMALSTAR ONE MUST BE INSTALLED WITH THE OSB FACING THE STUDS AND THE BLACK FOAM LAYER FACING OUT TO THE CLADDING.

A typical nail gun will drive a fastener about 1/4" past the surface of the guard. For proper installation of ThermalStar One, the nail must be driven 1-1/4" OR MORE past the surface of the foam insulation – A TYPICAL NAILING GUN CANNOT BE USED.

ONLY APPROVED NAILGUNS MAY BE USED, LOADED WITH [8D 0.113 nails 2-1/2"]. One current model is SENCO SCN63LDXP designed for either 2-3/8" x 0.113 Ring Shank (GL24APBF) or 2-1/2" x 0.113 15o coil nails, others may be available as listed on the Atlas EPS website.

Approved nail guns are preset for proper nail installation depth into R5 ThermalStar One product. For R3 or R7.5 of ThermalStar One products, the drive depth must be adjusted. In any case, always check the drive depth before use and periodically throughout the project.

Proper drive depth is checked by firing a nail through the ThermalStar One per normal installation, into a stud, at the corner of the product. Using a utility knife, remove the foam insulation and check that the nail head is flush with or slightly countersunk into the OSB. Adjust the nail gun as needed to attain proper installation. The removed foam may be re-positioned and repaired with joint tape, or left uncovered for verification by an inspector.

The joint tape is translucent enough to see nail holes after covering, for inspection of proper code prescribed spacing. Visual inspection should be conducted from the interior to assure fasteners are imbedded in the studs (no `shiners`).

This bulletin is current as of the date above.

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