



Manufacturer of Natural Fiber Insulation, Fire and Sound Products

Wallspray Installation Best Practices

Today's condensed building cycles require careful attention to these installation best practices and GreenFiber's instructions to ensure proper product performance. GreenFiber offers the following instructions for attaining the highest quality results and performance for installing 2x4 and 2x6 wall insulation. For complete wallspray installation instructions, please see GreenFiber's Wallspray Manual.

Coverage Charts

- 1) Consult the Cocoon2[®] Stabilized Borate Formula (SBF) Insulation Fact Sheet for the current wallspray coverage chart.
- 2) For wallspray application, install Cocoon2 SBF Insulation in walls at a target density of 2.7 pounds per cubic foot.
- 3) Bag coverage is dependent upon density and moisture levels. As the density and moisture levels increase, the coverage per bag decreases.

Drying Time

- 1) Drying time varies due to local climate conditions including temperature, humidity and the installed moisture. Do not cover the insulation until the insulation moisture levels, measured and documented after a minimum period of 24 hours from the time of installation, reach 25% or less in accordance with GreenFiber's Wallspray Manual.
- 2) Do not install a vapor barrier (<1.0 PERM) behind the drywall on the interior side in climate zones 1-5 as designated by the Department of Energy. If poly is required by local codes, cover the insulation only when the insulation moisture levels, measured and documented after a minimum period of 24 hours from the time of installation, reach 25% or less in accordance with GreenFiber's Wallspray Manual.
- 3) Install dry dense-pack Cocoon2 SBF Insulation in all exterior wall sections in bathrooms, kitchens and other rooms where added vapor impediments, such as cabinets, mirrors, tubs, and shower enclosures are located. If unsure where impediments are located, dry dense-pack the entire exterior wall section(s).

Cross-Bracing

- 1) Install cross-bracing to support the weight of the insulation in the following situations:
 - a) When spraying 2x6 cavities taller than 8 feet, install cross-bracing at 4' to 5' vertical intervals.
 - b) When spraying 2x4, 24" on center cavities taller than 8 feet, install cross-bracing at 4' to 5' vertical intervals.

Non-Standard Wall Configurations

- 1) Non-standard or unusual wall configurations (i.e., other than 2x4 and 2x6 walls) can affect thermal and sound properties and require special installation considerations. These types of designs should be analyzed by a design professional and, if necessary, tested prior to plan review. For non-standard walls, contact a GreenFiber technical service representative for assistance.

Quality Assurance Process

- 1) The insulation contractor must have a quality assurance process that ensures in-field compliance with US GreenFiber installation instructions.
- 2) For wallspray applications, record and maintain on a quality control log three moisture readings, one from three different rooms per house.
- 3) For dry dense-pack applications, record three core sample weights on a quality control log, from the top, middle and bottom, of the first cavity to ensure proper technique and consistent density.

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