



The Icynene Insulation System[®]
Healthier Quieter, More Energy Efficient



**TAILORED
FOAM**

OF FLORIDA, INC.

COMMERCIAL & RESIDENTIAL



FLORIDA'S ORIGINAL AND LARGEST FOAM INSULATION COMPANY

Core-Fill 500 Masonry Insulation

AmwayCENTER

INTERLEGEND

AMWAY CENTER — ORLANDO

Core-Fill 500 Masonry Insulation Information

Manufactured since 1977, Core-Fill 500 masonry insulation is an amino-plast resin and foaming agent surfactant that is injected with compressed air.

Commonly asked questions regarding installation:

What is the proper way to install Core-Fill 500?

Core-Fill 500 is installed after all masonry and structural work is in place. A 7/8" hole is drilled in each vertical column of block cells 4' +/- above the floor level. The foam is pressure injected into the cells at over 100 pounds per square inch. This procedure is repeated every 10' +/- (i.e. 14' 24' 34'...) of wall height until the void is completely full. The installer then patches the holes with mortar and scores it to resemble the existing surface.

Does Core-Fill 500 come premixed from the manufacturer?

Yes, Core-Fill 500 is shipped in liquid form, it is not dehydrated like some products. All dry mix products shrink, which reduces the r-value. The shrunken foam will allow hot, moist air, sound, and bugs to enter the building.



Take a minute to view this short "How It's Made" video. See what sets Core-Fill 500 apart from dry-mix products.

Advantages of using Core-Fill 500 insulation

Is Core-Fill 500 more efficient than other masonry wall insulations?

An independent report shows Core-Fill 500 allows less heat to be gained or lost through the wall than 1" or 2" rigid board insulation, loose fill and foam inserts. (Source: Duke Power Company).

Does Tailored Foam perform its own work or use subcontractors?

Tailored Foam installs 100% of our foam insulation products. All of our lead installers are certified by the chemical manufacturer.

If a hole is knocked in the block, loose fill will drain out of the wall. Can the same thing happen with Core-Fill 500?

Since Core-Fill 500 becomes solid after it is installed, it will not drain out of the wall.

Core-Fill 500 sealed the opening around the vent pipe, preventing air infiltration into the building. (Excess foam was removed after the photo was taken).



Can Core-Fill 500 help reduce noise?

Core-Fill 500 has a Sound Transmission Class Rating of 53 in 8" concrete block. (Source: Acoustic Systems).

Like any insulation, rigid board is only effective if properly installed. As one can see in this photograph, the company responsible for installing the rigid board in this project left several areas uninsulated. (This picture does not imply that all rigid board is installed improperly).



When injected into the cores of pre-cast hollow-core concrete panels, Core-Fill 500 thermal and acoustical masonry foam insulation will provide the optimum benefit in thermal insulation and acoustical sound reduction properties. Core-Fill 500 provides the highest

obtainable "R" value per inch of any integral masonry insulation. Furthermore, since Core-Fill 500 fills the core space completely, condensation issues and air infiltration within the cores are virtually eliminated. These superior performance characteristics combined with Core-Fill 500's ease of installation provide the ultimate pre-cast hollow-core insulation system.

Tailored Foam of Florida, Inc.'s large fleet of trucks allows us to better satisfy the needs of all of our customers' project schedules.

Tailored Foam of Florida, Inc. offers the same commercial grade insulation for new or existing block homes.



Spray Polyurethane Foams - or “SPF’s” for short - are widely accepted as the most efficient way to insulate your new or existing structure. There are two distinctly different types of SPF’s:

Icynene .5lb Open Cell Foam

Tailored Foam exclusively installs Icynene .5lb Open Cell SPF products (the .5lb signifies the weight of 1 cubic foot of foam when cured). Since 1986, Icynene continues to be the industry leader in open cell foam technology. From Icynene’s classic open cell product LDC 50 - which has been installed in hundreds of thousands of structures worldwide - to Icynene’s renewable resource product LDR 50, Icynene has a product to fit your needs. There are other open cell products available on the market that “claim” to be “just like Icynene”. We made the decision to form a relationship with the manufacturer of the highest quality open cell foam. For that reason, Icynene is the only open cell product that we offer.



2lb Closed Cell Foam



There are numerous manufacturers of 2lb Closed Cell SPF’s in the market (the 2lb signifies the weight of 1 cubic foot of foam when cured). Unlike the open cell product - which is used exclusively for its thermal/air infiltration qualities - these products have been tested for their water/vapor resistance, structural integrity, adhesiveness & thermal insulation. It is for this reason that we have chosen to “mix and match” the most suitable product for our customers specific need. We represent manufacturers whose products can actually triple the uplift of a Miami-Dade conventionally framed roof - WITHOUT NAILS! Imagine “gluing” your roof together into a monolithic structure that will eliminate 99% of water intrusion in the event of storm damage to the roofing material!

Thermal & Ignition Barriers

Tailored Foam will apply the proper barrier as prescribed by the Florida Building Code, pertaining to spray foam insulations. If you need clarification as to the placement of these barriers, please do not hesitate to call one of our building specialists.

Whether you are looking for the most economical way to insulate your home’s attic - or your high rise office building - Tailored Foam will match you with the proper product for your specific need.

Tailored Foam of Florida, Inc.

FACTS AND HISTORY

Founded in 1986, Tailored Foam of Florida, Inc. provides architects, contractors, engineers, and government agencies with the most energy efficient, cost effective way to insulate concrete, concrete block, metal buildings, roofs, or precast using foam insulation.

Tens of thousands of new and retrofit projects have been insulated by Tailored Foam of Florida, Inc.

Thousands of those are school and university projects. Exclusive technological advances in our installation equipment have allowed us to create the largest independent foam installation organization in Florida.

Tailored Foam of Florida, Inc. installs a variety of Spray Polyurethane Foams (SPF's). Both .5-lb. open cell SPF and 2-lb. closed cell SPF products are available. Per the SPF manufacturer's recommendation, the necessary ignition barrier or thermal barrier will be applied to meet building code requirements. Core-Fill 500 Thermal Masonry Insulation is used to fill the empty cores of concrete block.

By specializing in the installation of foam insulation, we can guarantee the highest quality workmanship on your projects. Our experts in each function of the planning, bidding and building process can assist you in every phase of construction. Tailored Foam of Florida, Inc. often serves as a liaison between the contractor and architect for value engineered projects. Our staff also includes a licensed Florida General Contractor (CGC #018512).



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