

Business Name: Tech Service Heating/Cooling & Spray Foam
Address: 2617 Shoffner Rd, Conway, SC 29527
Phone: (843) 488-1571

Tech Service Heating/Cooling & Spray Foam

For more than three decades, Tech Service Inc. has proudly served the Conway and Myrtle Beach areas with honest, high-quality heating, cooling, and spray foam solutions. As a family-owned business, we treat every home like our own — with care, respect, and a commitment to getting the job done right.

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2617 Shoffner Rd, Conway, SC 29527

Business Hours

- Monday thru Thursday: 8:00am to 5:00pm
- Friday: 8:00am to 12:00pm
- Saturday thru Sunday: Open 24 hours

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Energy costs along the Grand Hair have a way of approaching on you. Summer season humidity awaits the air, winter season nights are damp and cold, and lots of Conway homes were not initially developed with high efficiency in mind. I have walked into attics in Horry County where the ductwork sweated like a cold glass of tea, and where you might actually see daytime around roofing penetrations. In those homes, the a/c unit might be brand brand-new and still struggle all afternoon.

Real effectiveness in Conway comes from treating your home as a linked system. Insulation and HVAC are not different jobs. They affect each other directly. Spray foam changes the method a structure behaves. HVAC repair and maintenance react to that behavior. When both are done professionally and attentively, the payoff appears in comfort, power expenses, and system longevity.

This is particularly true here, where hot, damp summertimes and mild, damp winters expose weaknesses in both insulation and HVAC design.

How Coastal Carolina Climate Penalizes Weak Insulation and HVAC

Conway sits in a mixed-humid climate. That means long cooling seasons with heavy humidity, plus a much shorter, however still significant, heating season. The combination is tough on both your building envelope and [Spray Foam](#)

[Insulation Conway SC Tech Service Heating/Cooling & Spray Foam](#) your equipment.

When a home is under-insulated and leaking, 3 things typically happen.

First, the ac system runs long cycles just to remove moisture. In August, it is not unusual to see 80 to one hundred percent relative humidity outside for large parts of the day. If your house leakages, that moisture trips in with every draft and every duct leak.

Second, the system brief cycles on milder days. Large equipment is common in older HVAC Installation Conway SC tasks, frequently since the manual load computations were avoided or the installer desired a "safe margin." On a leaking, improperly insulated home, that oversizing seems to make good sense on paper, but it causes fast blasts of cold air, insufficient dehumidification, and large temperature level swings.

Third, energy costs spike. I typically see older Conway homes with summer season power bills 25 to 40 percent higher than required, simply due to the fact that of weak insulation and air sealing integrated with a mismatched HVAC system.

Once spray foam insulation and effectively sized HVAC work together, the entire dynamic shifts.

What Spray Foam In fact Modifications Inside a Conway Home

Many property owners think of Spray Foam Insulation Conway SC as just "better insulation." It is more precise to consider it as a method to redefine the structure envelope.

Traditional fiberglass or cellulose generally slows heat transfer. They do not reliably stop air movement. Spray foam does both. Closed cell foam, in particular, can work as insulation, air barrier, and in some assemblies, even a vapor retarder.

When set up correctly in a Conway home, spray foam can:

1. Reduce unchecked air leakage in between attic, crawlspace, and living areas.
2. Stabilize indoor temperatures room to room.
3. Lower latent load on your cooling system by reducing damp outside air infiltration.
4. Help control condensation on ductwork and cold surfaces.
5. Allow smaller sized, more effective HVAC systems to carry out well.

I as soon as worked with a homeowner off Highway 905 who had a 2,100 square foot house with a vented, dripping attic and an exhausted 4 load system. After applying spray foam to the roof deck and tightening up the attic, the load computation justified a 3 lot variable speed replacement. Their peak summertime costs come by around a 3rd, and they lastly stopped fighting that sticky, clammy sensation in the evenings.

Those outcomes are manual. The information matter.

Open Cell vs Closed Cell Spray Foam in Conway

Contractors in Conway utilize both open cell and closed cell items. Each has strengths and trade-offs.

Open cell is lighter, more vapor permeable, and often utilized in roof decks and walls where drying capacity is essential. It does a great job at air sealing and sound control, and it tends to be more cost reliable per inch.

Closed cell foam has a greater R worth per inch, is much more stiff, and offers better wetness resistance. In some coastal applications, specifically low crawlspaces, band joists, or locations vulnerable to wind driven rain, closed cell frequently makes more sense.



In practice, I see a lot of homes use open cell in roofing system decks to produce an unvented conditioned attic, and closed cell in crawlspaces and rim joists to stop humidity and air seepage from below. The ideal mix depends upon your house, the assemblies, and local code requirements.

If a specialist proposes spray foam without talking about open vs closed cell, drying paths, and how the existing structure manages wetness, that is a red flag. The Conway environment demands attention to humidity and drying, not just R values.

Why HVAC Service and Spray Foam Should Be Coordinated

Once you tighten up a home with spray foam, the original HVAC system frequently becomes oversized. That might sound like a good thing, however for convenience and indoor air quality, it normally is not.

A system that is too large for the new, lower load will:

- Short cycle, which suggests less moisture elimination and more wear on compressors and blowers.
- Create irregular temperatures, due to the fact that the thermostat pleases quickly without enabling air to blend thoroughly.
- Increase indoor humidity on moderate, wet days, when the temperature level need is little however the wetness load is high.

Professional HVAC Service Conway SC that comprehends building science will address this directly. Before or right after a spray foam job, an excellent specialist will run brand-new Manual J load computations, take a look at your ductwork, and inspect static pressures. In some cases the service is a full system replacement. Other times, a staged compressor, variable speed blower, or zoning can help match capacity to the brand-new, tighter home.

I have seen cases where house owners spent money on Spray Foam Insulation Conway SC, then kept an extra-large, single stage 5 heap system. Their costs went down somewhat, but convenience never fully enhanced. After resizing the system and adjusting airflow, the house lastly felt as efficient as the foam investment suggested on paper.

Coordination is the secret. Treat spray foam and HVAC as one project, even if the work occurs in phases.

Signs You Need HVAC Repair Near Me Before You Insulate

If your HVAC system is currently limping, sealing the house can emphasize its problems. It is typically smarter to address basic HVAC Repair Conway SC issues before or together with spray foam upgrades.

Here are practical indication that indicate a requirement for professional inspection and repair:

1. The system runs continuously but still can not keep up on peak hot or cold days.
2. You notice weak air flow from specific vents, or some rooms feel significantly hotter or cooler than others.

3. There are brand-new or aggravating sounds from the blower or outdoor unit, especially grinding, squealing, or loud rattles.
4. Your power bills leap dramatically from one season to the next, without an apparent change in use or rates.
5. Ice kinds on the refrigerant lines, or you see water around the indoor air handler that is not just from a condensate drain.

Any of these symptoms validate a require HVAC repair near me before you invest greatly in Spray Foam Insulation Conway SC. A healthy HVAC system reacts much better to the enhanced envelope and lets you see the genuine gains from the insulation work.

The Function of Professional HVAC Installation in a Spray Foam Home

When it is time for a brand-new system, HVAC Installation Conway SC ends up being a lot more important if you have or prepare to have spray foam.

Load estimations can not be guesswork. The specialist must inquire about your insulation levels, air sealing, window performance, and tenancy patterns. If they simply match the old system ton for heap, or suggest bumping up "simply in case," they are disregarding the decreased heat gain and loss from properly used foam.

Duct style likewise alters in a spray foam home. Many Conway property owners pick to bring ductwork into a conditioned attic. This can be a huge benefit, however just if the ducts are sized correctly and sealed well. A firmly foamed attic that still has leaky, poorly balanced ducts will seem like a cars with flat tires.

In my experience, the very best HVAC Service Conway SC providers have three practices that set them apart:

They procedure, not think. They utilize air flow readings, static pressure tests, and temperature level splits rather of counting on guidelines of thumb.

They talk about humidity control. They explain how the system will deal with hidden load in shoulder seasons when outside temperature levels are moderate, but humidity is still brutal.

They communicate clearly about filters, maintenance, and ventilation. A tighter home needs deliberate fresh air techniques, not just unexpected leakage.

If your contractor never ever discusses ventilation options, such as energy healing ventilators or well balanced fresh air techniques, that is another red flag as soon as you devote to tightening up the shell with foam.

What a Quality Spray Foam Task Appears Like in Conway

Not every spray foam job is created equal. Foam can be a fantastic upgrade, or a source of headaches, depending upon the setup details.

A solid, professional process in Conway generally follows these actions:

1. Detailed inspection of the attic, crawlspace, and wall assemblies, consisting of looking for existing wetness issues, roofing leaks, and ventilation courses that will be changed.
2. Clear discussion about foam type, thickness, target R values, and how current insulation (like fiberglass batts) will be removed or left in location as part of the design.
3. Proper surface preparation, including cleansing, securing recessed components and mechanical components, and developing safe gain access to paths for future service.
4. Installation with consistent density, complete coverage at joints and penetrations, and cautious trimming where foam may call non-rated fixtures or obstruct service panels.
5. Post-installation walkthrough, consisting of discussing brand-new attic or crawlspace conditions, addressing any necessary ventilation changes, and collaborating with HVAC adjustments.

When that procedure is followed, Spray Foam Insulation Conway SC provides the efficiency it guarantees. When corners are cut, you might see voids, thin spots, or unintentional wetness traps.

I have crawled through attics where foam protection varied from 2 inches in one location to bare wood just a few feet away. In a climate as humid as Conway, those gaps can become condensation spots, mold threats, and relentless hot zones.

Managing Moisture and Ventilation in a Tight Home

One of the most common misconceptions I hear is that "spray foam makes your home too tight." A home can absolutely be developed or retrofitted to be too tight for natural ventilation, however that is not a problem with insulation. It is an issue with the lack of intentional ventilation.

A tighter shell modifications where and how wetness goes into and leaves the building. Rather of sneaking in through fractures around can lights and attic hatches, outdoor air must enter through prepared paths, ideally filtered and conditioned.

For lots of Conway homes, this implies pairing Spray Foam Insulation Conway SC with:

Mechanical ventilation. This can be as simple as a timed, managed fresh air consumption connected into the HVAC, or as advanced as an energy healing ventilator that stabilizes incoming and outgoing air.

Proper bath and kitchen area exhaust. Fans require to vent to the outside and be sized to really move enough air. In a tighter home, a weak or poorly ducted fan rapidly shows its flaws.

Dehumidification strategies. In shoulder seasons when you are not cooling greatly, but outdoor humidity stays high, a stand-alone dehumidifier or HVAC system with improved dehumidification controls can keep indoor relative humidity in a healthy range.

When ventilation and wetness control are incorporated into the overall plan, a tight shell is an advantage, not a liability.

Energy Savings: What Conway Homeowners Realistically See

Numbers vary extensively, however it is possible to lay out reasonable expectations for a normal wood framed Conway home of, state, 1,800 to 2,400 square feet.

On existing homes with leaking attics and very little air sealing, including Spray Foam Insulation Conway SC to the roofing deck and bringing ductwork into the conditioned space typically cuts heating and cooling energy use by 20 to 35 percent. That is contingent on having fairly efficient equipment and good thermostat settings.

If that foam upgrade is paired with a right-sized, modern-day HVAC Installation Conway SC job, particularly one that utilizes variable speed air handlers and great humidity control, total reductions in HVAC-related energy usage can push into the 30 to 45 percent range compared to an old, dripping, single stage setup.

Payback times depend upon energy rates, the beginning condition of your home, and whether you are combining work you already required (like a compulsory HVAC replacement) with insulation upgrades. For lots of Conway house owners, spray foam plus thoughtful HVAC work pays for itself over a span of a number of years, especially when you consider convenience and decreased repair risk.

Those energy cost savings are not simply theory. They are visible in expenses and in the behavior of the system. Shorter, more constant run times, steadier indoor temperatures, and fewer emergency situation requires HVAC Repair Conway SC are daily signs that the envelope and devices are lastly playing on the same team.

Choosing the Right Professionals in Conway

The success of any effectiveness upgrade boils down to individuals doing the work. Online look for HVAC repair near me or insulation professionals in Conway will produce lots of names. Arranging them takes a bit more effort.

Look for crews that understand both structure science and local code. Ask specific concerns, such as:





How do you determine the heating and cooling load when spray foam is installed?

What is your plan for attic or crawlspace ventilation after the foam? Will these spaces become conditioned or semi conditioned?

How will you secure existing wiring, can lights, and mechanical equipment during spraying?

For HVAC suppliers, press them on testing. Do they perform static pressure measurements, duct leakage testing, or combustion safety checks for gas appliances? A yes, together with clear descriptions, is a strong signal that they approach HVAC Service Conway SC with a system mindset.

Finally, take notice of how they speak about wetness. Contractors who operate in Horry County for any length of time regard humidity. If somebody dismisses it or frames spray foam as a simple "insulate and forget" service, they are glossing over a main part of our climate.

Practical Maintenance Behaviors After Upgrades

Once you have tighter insulation and tuned HVAC, a few routines secure your investment and keep the system efficient.

Change filters on schedule, and utilize quality media that match the system style. Extremely limiting filters installed in a system not created for them raise fixed pressure and can reverse effectiveness gains.

Keep an eye on indoor humidity. A simple hygrometer can tell you if levels consistently creep above 60 percent. If they do, speak with your HVAC service provider about dehumidification strategies.

Schedule routine HVAC Service Conway SC checks before peak cooling and heating seasons. After spray foam upgrades, the system will behave in a different way. Early service check outs capture concerns like low airflow or improper charge that may not have appeared before.

Inspect foam surface areas yearly, specifically in attics and crawlspaces. You are trying to find indications of roofing system leakages, pest damage, or uncommon staining. Foam itself is steady, but your house around it continues to age and move.

These practices cost far less than a major repair and stretch out the life of both your insulation and your HVAC system.

Bringing It All Together for Conway Homes

Real energy efficiency in Conway does not originate from any single product. It comes from lining up the building shell, the mechanical systems, and the wetness control method with the truth of our climate.

Spray Foam Insulation Conway SC can change a drafty, inconsistent home into a tight, predictable structure that is much easier to heat and cool. Professional HVAC Repair Conway SC, along with cautious HVAC Installation Conway SC choices, makes sure the equipment serving that structure is effectively sized, tuned, and durable.

When those elements are collaborated, homeowners see lower costs, quieter operation, more even comfort, and fewer emergency situation look for HVAC repair near me during a heat wave. It is a system, and like any great system, the pieces work best when they are created and maintained together.

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Tech Service Heating Cooling and Spray Foam installs air conditioning systems
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Tech Service Heating/Cooling & Spray Foam has a phone number of (843) 488-1571
Tech Service Heating/Cooling & Spray Foam has an address of 2617 Shoffner Rd, Conway, SC 29527
Tech Service Heating/Cooling & Spray Foam has a website <https://techhvac-foam.com/>
Tech Service Heating/Cooling & Spray Foam has Google Maps listing <https://maps.app.goo.gl/U3j6T3Lmw5WdaJSZ8>
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Tech Service Heating/Cooling & Spray Foam earned Best Customer Service Award 2024

People Also Ask about Tech Service Heating/Cooling & Spray Foam

What HVAC services does Tech Service Heating Cooling and Spray Foam provide for residential and commercial properties?

Tech Service Heating Cooling and Spray Foam provides complete HVAC services including Air Conditioning Installation, Heating Systems Repairs, Spray Foam Insulation, ventilation upgrades, preventative maintenance, and energy efficiency solutions with reliable service and quality workmanship

Does Tech Service Heating Cooling and Spray Foam handle Air Conditioning Installation and Heating Systems Repairs?

Yes, Tech Service Heating Cooling and Spray Foam specializes in Air Conditioning Installation and Heating Systems Repairs, helping customers maintain comfortable indoor environments through dependable HVAC services and professional workmanship

What makes Tech Service Heating Cooling and Spray Foam stand out from other HVAC service companies?

Tech Service Heating Cooling and Spray Foam stands out by delivering reliable service, experienced HVAC technicians, quality workmanship, energy-efficient solutions, and responsive support for heating, cooling, and insulation projects

Can Tech Service Heating Cooling and Spray Foam install Spray Foam Insulation and ventilation systems?

Tech Service Heating Cooling and Spray Foam installs Spray Foam Insulation and ventilation systems designed to improve indoor air quality, increase energy efficiency, and provide long-lasting comfort with quality workmanship

How does Tech Service Heating Cooling and Spray Foam improve energy efficiency in homes and businesses?

Tech Service Heating Cooling and Spray Foam improves energy efficiency through professional HVAC services, Air Conditioning Installation, Heating Systems Repairs, Spray Foam Insulation, and properly installed ventilation systems that reduce energy loss and improve climate control

Where is Tech Service Heating/Cooling & Spray Foam located?

Tech Service Heating/Cooling & Spray Foam is conveniently located at 2617 Shoffner Rd, Conway, SC 29527. You can easily find directions on [Google Maps](#) or call at [\(843\) 488-1571](tel:8434881571) Monday through Thursday 8:00am to 5:00pm, Friday 8:00am to 12:00pm, Saturday through Sunday Open 24 hours

How can I contact Tech Service Heating/Cooling & Spray Foam?

You can contact Tech Service Heating/Cooling & Spray Foam by phone at: [\(843\) 488-1571](tel:(843)488-1571), visit their website at <https://techhvac-foam.com/> or connect on social media via [TikTok](#)

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