

Spunstrand®

**SAME
GREAT
PRODUCT!**

New Standard Insulation Values!

**R-4, R-6, R-8, R-10, R-12
*ICC Listed & Code Approved***

www.spunstrand.com
208.777.7444

ICC-ES ESR-1681

ICC APPROVAL LINK:

http://www.icc-es.org/reports/pdf_files/ESR-1681.pdf

Spunstrand Duct:

- **Has a Class 1 Flame / Smoke Rating per Third Party ASTM E-84 Testing**

- **Utilizes Chemical Bonds to Join Like Materials (fiberglass to fiberglass) Instead of Mechanical Joints**

- **Carries 5 Different ICC Listed and Code Approved Insulation Values That Are Tested and Approved Based on Third Party ASTM C518 Testing: R-4, R-6, R-8, R-10 & R-12**

- **Is Made in the U.S.A. in North Idaho**

- **Utilizes a High Strength Non-Filled Resin System**

- **Has Superior Corrosion Resistance in Acidic / Basic Soils Compared With Filled Resin Systems**

**Spunstrand Now Offers an ICC Listed & Code
Approved Insulation Value Option
For Everyone's Needs!**

**From Our Basic R-4 Up To Our Industry Leading R-12 ...
*We Offer Insulated Underground Duct Work
That Will Meet Your Needs!***

Spunstrand®

Now Offering Multiple Listed & Code
Approved R-Values [ICC-ES ESR-1681]:
R-4, R-6, R-8, R-10, R-12



*Designed For Use
In Water Table*



*Custom Installation
Under an Art Gallery*



*Factory Manifolded Taps
Performing Arts Center*



*Custom Deep Buried Application
Aquatic Center*



*Large Manifolded Sections Available
Convention Center*

Spunstrand® Inc. manufactures green duct in the Pacific Northwest that maximizes clean air flow, eliminates rust, mold growth and provides a more comfortable environment for building occupants. Spunstrand® Inc.'s underslab ductwork is available in standard sizes 2" diameter through 144" diameter.

Architects and engineers are designing many more open, high ceiling, energy saving designs by specifying green Spunstrand® Inc. duct under the slab. With our engineering services and a duct system that meets all aspects of the Uniform and International Mechanical Codes, carrying an ICC-ES listing to assure consistent quality manufacturing for long lasting duct. We help achieve your energy efficiency goals.



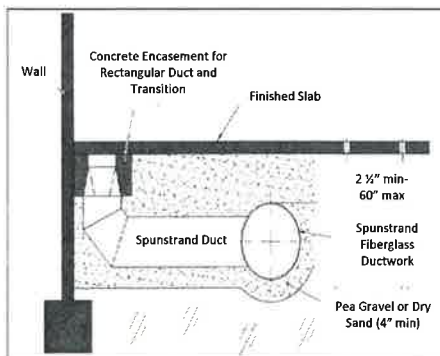
Spunstrand® Inc. underslab ductwork provides design professionals with the flexibility and convenience of removing above-ground HVAC duct requirements, freeing up valuable space in your building envelope.

ICC APPROVAL LINK

http://www.icc-es.org/reports/pdf_files/ESR-1681.pdf

APPLICATIONS

Call today to discuss your unique application. Our in-house engineering expertise and our national representatives can team up with you to get your project done on time and within budget. Let's do it right the first time with our internet live design review and installation training. On site and factory training is also available.



WHY SPUNSTRAND?

- Only ICC-ES Listed Approved Composite
- 50 Year Track Record & History
- First LEED Credit Underslab
- R-4, R-6, R-8, R-10 & R-12 Insulated
- Water Tight and Corrosion Resistant
- Complete Design Service
- Internet & On-Site Training
- No Concrete Encasement w/Stand. Install
- Complete Line of Fittings
- Factory Manifold Assemblies
- USDA Bio-Preferred Composite
- ▶ Rectangular shaped register boots bonded to main trunk lines are recommended for applications where high water tables or corrosive soil conditions exist.

SLAB on GRADE CUSTOMERS WE SERVE

- Banks
- Carbon Monoxide Exhaust
- Churches
- High Rise Construction
- Libraries
- Hotels
- Housing Projects
- Hospitals (HVAC & Garage Exhaust)
- Restaurants
- Schools / Gymnasiums
- Supermarkets
- Swimming Pools (HVAC & Heat Recovery Systems)
- Theaters / Auditoriums
- *If you can draw it, we can build it!*

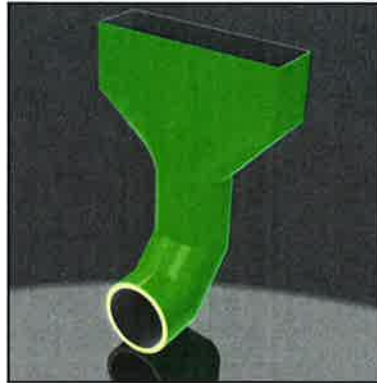


REGISTER BOOTS

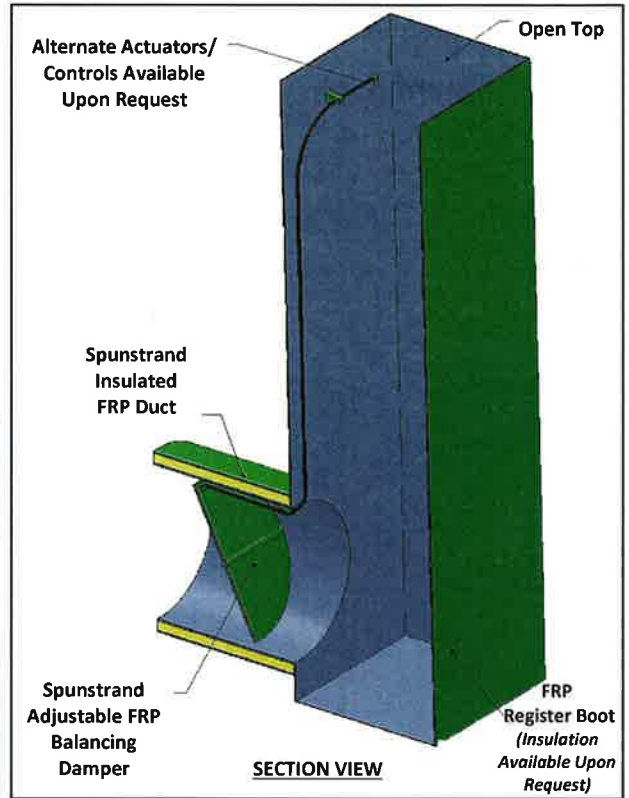
When water-tight duct is not enough ...

Insure your system to be water-tight from the bottom of the trench to the top of the slab!

Specify the register boots and plenums to be fiberglass reinforced plastic and part of your complete water-tight underslab HVAC system. Boots and plenums come in all standard and custom sizes. *Options for insulation or sound linings are also available.*



Transition Type Boot



Register Boot Available With Damper
(As illustrated above)
Or Without Damper

UNDERSLAB DUCT SILENCERS

Fibersonic Silencers, designed and licensed by David P. Wilson Co., and manufactured by Spunstrand® Inc. for use in underslab duct systems. Tested for insertion loss, noise and pressure drop per ASTM E477 and ready for direct bury in a fiberglass water-tight underslab duct system. Deadens fan and air transmission sound at the source! For sound attenuation in extremely sensitive areas, we offer center-body style fiberglass silencers. These can be glassed directly into your water tight system. They can also be supplied with drain fittings and a sump box to protect against install or field challenges.



Standard Sizes Available



Water-Tight Like the Duct

Additional Spunstrand Inc. Products



Underslab Spunstrand® Inc. Duct

Since 1959 Spunstrand® Inc. has been manufacturing underslab HVAC ductwork in both FSK and pre-insulated designs for underground applications. Spunstrand® Inc. duct is manufactured using the filament wound method to provide the greatest strength for direct burial applications. A foil scrim kraft, or FSK, inner surface liner provides a UL class I rating for this product when used in underslab applications. It is available in standard round sizes 2" diameter through 96" diameter. Rectangular duct and FRP boots are options. Factory pre-insulated duct with listed and code approved R-values of R-4, R-6, R-8, R-10 & R-12. ICC Approval Link: http://www.icc-es.org/reports/pdf_files/ESR-1681.pdf

Industrial & Municipal Fume Exhaust Air Duct

Spunstrand® Inc. filament wound industrial products are manufactured using standard guide specifications based on the National Bureau of Standard PS 15-69, SMACNA Thermoset FRP Duct Manual, and the RTP-1 applicable standards. They are also manufactured to ASME, ASTM, ANSI, Military specs, or for your custom application.

Zero Leak & Balancing Dampers

Spunstrand® Inc. manufactures both Zero-Leak (ZL) and Balancing Dampers (BA) for the corrosive fume handling industry for a variety of environments and applications. These dampers can be used to regulate air-flow, or isolate a particular part of a system. They are constructed of FRP providing a durable corrosion resistant product for numerous applications.

Carbon Scrubbers (Vertical & Horizontal Bed)

After decades of manufacturing standard horizontal bed scrubbers, Spunstrand® Inc. pioneered a complete line of FRP vertical bed scrubbers. These scrubbers eliminate the need for crawling into a hazardous space to service carbon beds. In addition, the vertical bed design provides the lowest visual profile and greatest design flexibility in the carbon scrubber industry. Designs include a four bed single pass unit sized for 40,000 CFM. Standard horizontal bed designs are available. Job site start-up services are available.

Grease / Mist Eliminators

Horizontal airflow FRP Grease / Mist Eliminators are made to handle 99% removal efficiency for moisture and 80% removal efficiency for grease. Both filter medias are removable for on-the-spot cleaning.

FRP Chemical Storage Tanks

Chemical FRP Storage Tanks are filament wound and manufactured to ASTM & ASME specifications. They are available in sizes 2' diameter - 14' diameter.

Silencers

Fibersonic Silencers® are made of fiberglass reinforced polyester and can be used where corrosive air prevents the use of standard metal silencers. Available in sizes up to 72" ID and 144" in length. Tested in accordance with ASTM E-477.

Mine & Tunnel Ventilation Duct

In 1960, our company built the first filament winding machine to produce FRP mine ventilation duct, and started an entirely new industry. These first non-metallic ducts were a big improvement over the heavier and conductive metal ducts. Our mine and tunnel ventilation ducts maintain a MSHA approval as a Class 1 rated duct system, and have been used in mining and tunneling applications now for 54 years. Spunstrand Inc. has a variety of duct configurations available to suit the needs of most any situation our customers may encounter.

MAKING YOUR PROJECT OUR PRIORITY SINCE 1959!

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