



SPRAY-SEAL™

Mobile Duct
Sealant Delivery System

Raising the Bar in the HVAC Sealant Industry

Carlisle HVAC continues to provide solutions that set new standards in the HVAC sealant industry. SPRAY-SEAL™, is a revolutionary duct sealant specially formulated for spray applications on the jobsite. When used in conjunction with the Hardcast Mobile Duct Sealant Delivery System, SPRAY-SEAL can provide:

- Labor & cost savings of up to 50%
- Reduced application time
- Easy mobility after curing, eliminating cracking that occurs with traditional duct sealants
- Consistent, uniform coverage with spray application
- Enhanced performance for higher SMACNA pressure classes
- Increased coverage rate
- Contributes to LEED® credit requirements
- Low-VOC, water-based product
- Portable Delivery System (out of the shop, into the field)
- USDA, FDA EPA Approval

Improving Coverage and Reducing Labor

This one-of-a-kind portable system significantly reduces the time required for duct sealant applications, providing an easier, more efficient method of sealing ductwork with an increased coverage rate, especially when compared to traditional duct sealant systems. Because of its unique characteristics, SPRAY-SEAL can provide labor and cost savings of up to 50% and, as a low-VOC, water-based product, also contributes toward LEED credit requirements. With over 70 units in the field, SPRAY-SEAL is the only proven system of its kind in the industry, achieving air tight protection for the lifetime of the duct.



Compatible with Virtually Any Duct System

SPRAY-SEAL is an all purpose sealant for use on all types of metal duct, glass fiber duct board, and flex duct, as well as duct fabric and flexible tubing runouts. Distinguished by its ability to accommodate minor vibration and movement, SPRAY-SEAL stays

flexible to save callback labor. SPRAY-SEAL's excellent coverage rate and easy spray application provide low installed cost and less waste on the jobsite.

Proven Reliability in the HVAC Sealant Industry

Since its inception in 1965, Carlisle HVAC, has established itself as a leading manufacturer of high-performance products for the Heating Ventilation Air Conditioning (HVAC) industry. Throughout the years, Carlisle HVAC has invented and developed industry-leading products including mastic sealants, rolled sealants, insulation adhesives and duct hardware. Always forward thinking,

Hardcast's Research & Development team have been pioneers in setting industry standards such as Iron-Grip 601, the first water based mastic duct sealant. More than 2 decades ago, Iron-Grip 601 set the stage for what is now referred to as "green" products.

Today, Spray-Seal raises the bar as an exceptional environmentally friendly product that delivers labor and cost savings to the applicator and ultimately, significant energy savings to the building owner.

"What normally took me 2-3 days to brush on sealant, now only takes 1 day, using less product, with Spray-Seal."

—Sisto Adame, HVAC Technician

The Ultimate Pressure Test: Hurricane Ike vs. Spray-Seal

(Houston, TX) - While this 14-story commercial building construction site may look like any other construction site, it has a unique history. In the midst of construction, before windows had been installed, Hurricane Ike made landfall in Houston around 1 am on Saturday, September 13, 2008. The powerful winds ripped down the ductwork from the hangers and bent the sheet metal at the elbow sections. Thanks to SPRAY-SEAL, most of the duct was salvageable and could be re-installed, as all of the joints sealed with SPRAY-SEAL stayed in tact without cracking. This enabled the work crew to get back on schedule quickly without re-sealing the duct. That's how to pass a pressure test!



“If it held through Ike, it will pass any pressure test”

— Martin Flores, General Foreman

Spray-Applied Sealant Improves Indoor Air Quality for Leading Healthcare Facility

Parkview Health in Fort Wayne, Indiana was serving a population of more than 820,000, and found that extensive expansion was necessary, so the decision was made to build a \$536 million Parkview Regional Medical Center. Installing an efficient HVAC system was a top priority because indoor air quality is of the utmost importance to health facilities.

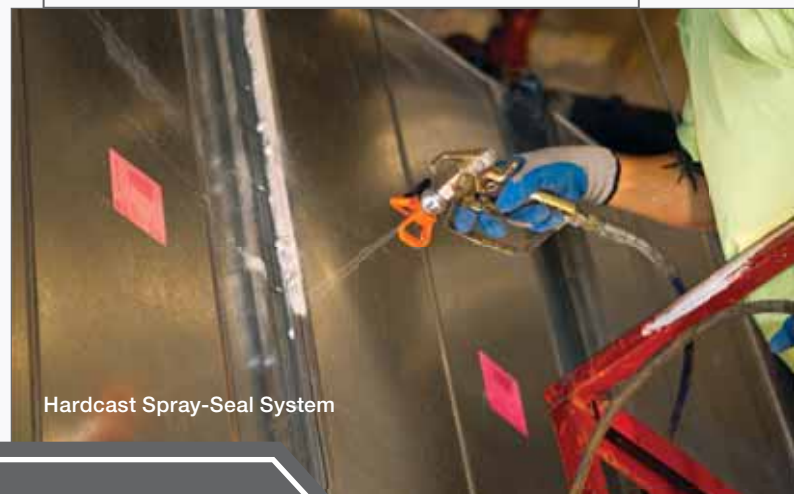
Bright Sheet Metal was chosen to install the HVAC system and decided to use SPRAY-SEAL because of its efficiency and labor savings. The project included 32 miles of ductwork that needed to be installed and more than 100 miles of seams and joints that would need proper sealing. With a traditional bucket and brush method, this would have taken between 4,000 and 5,000 man hours to complete.

“We found that the Hardcast SPRAY-SEAL System is a much faster way to seal ductwork. It's been very efficient and time effective. In the future, Bright Sheet Metal has no intentions of going back to the bucket and brush. We will continue to use the Hardcast SPRAY-SEAL System. It's more efficient, more cost effective and it does a better job.”

— Ken Kendrick, Project Manager for Bright Sheet Metal



Parkview Regional Medical Center



Hardcast Spray-Seal System

2012 Spray-Seal Awards and Testimonials

PRODUCT INNOVATION
AWARD WINNER

PIA'12

**Spray-Seal: Architectural Products Magazine Product
Innovation Award 2012**

“Hardcast Spray-Seal is revolutionizing the way we seal and test the ductwork.”

— Mark Spiezio, *Mid-Atlantic Mechanical VP of Operations*

“Without the Hardcast Spray-Seal solution — completing this job would not have been possible.”

— Nathan Dills, *President of ACP Sheet Metal*

“We found that the Hardcast Spray-Seal System is a much faster way to seal ductwork...It’s more efficient, more cost effective and it does a better job.”

— Ken Kendrick, *Project Manager for Bright Sheet Metal*

“Using the Spray-Seal system is life changing, instead of a crew of men, this is now a one-person operation, done either from the ground or from a scissor lift. It’s faster, it’s cleaner and we’re using less product, plus every single test that I’ve done after spraying with Spray-Seal has passed, some with 0% leakage which is unheard of.

— Tim McNeff, *Mid-Atlantic Mechanical Project Manager*



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