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ICC-ES Report

PMG-1381

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Issued 06/2016
This report is subject to renewal 06/2017

EVALUATION SUBJECT:

GREENSEAM[®] + SNAP-LOCK PIPE AND FITTINGS SYSTEM

DIVISION:

23 00 00—HEATING, VENTILATING, AND AIR-
CONDITIONING (HVAC)

SECTION:

23 31 13—METAL DUCTS

Report Holder:

GREENSEAM INDUSTRIES

210 5TH STREET
CHARLEROI, PA 15022



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ICC-ES PMG Listing**PMG-1381**

Effective Date: June 2016

This listing is subject to re-examination in one year.

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CSI: DIVISION: 23 00 00 — HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)
Section: 23 31 13 — Metal Ducts

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: GreenSeam® + Snap-Lock Pipe and Fittings System

Listee: GreenSeam Industries
210 5th Street
Charleroi, Pennsylvania 15022
www.GreenSeamind.com

Compliance with the following codes:

2015, 2012 and 2009 *International Mechanical Code*® (IMC)
2015, 2012 and 2009 *International Residential Code*® (IRC)
2015, 2012 and 2009 *International Energy Conservation Code*® (IECC)
2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)*

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Compliance with the following standards:

ASHRAE/SMACNA Std. 126-2008: Method of Testing Air Ducts and Fittings.
ASTM E84-2015b, Standard Test Method for Surface Burning Characteristics of Building Materials
UL 723 (Ed. 10), Standard for Test for Surface Burning Characteristics of Building Materials

Identification:

GreenSeam® + Snap-Lock Pipe and Fittings System shall be permanently marked with the followings:

- (a) Manufacturer's name or trademark
- (b) Product Name
- (c) Model Number, if applicable
- (d) ICC-ES PMG listing mark

Installation:

GreenSeam® + Snap-Lock Pipe and Fittings System recognized in this report shall be installed in accordance with manufacturer's published installation instructions and applicable codes.

All GreenSeam® + Snap Lock pipe is supplied with a pre-installed gasket that once snapped together is self-sealing, requiring no additional sealing of the longitudinal seam or transverse joint.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.



Models:

GreenSeam®+ Snap-Lock Pipe and Fittings assembly have been tested to comply with SMACNA Class 3 leakage criteria. The gasket on the pipe joints has a flame spread index of no more than 25 and a smoke development index of less 50 when tested in accordance with ASTM E84 and UL 723.

Joints on GreenSeam®+ Pipe and Fittings have been evaluated to meet the sealing requirements in Section 603.9 of the International Mechanical Code, Section 603.10 of the Uniform Mechanical Code, Section M1601.4.1 of the International Residential Code, and Sections C403.2.9.1 and R403.3.2 of International Energy Conservation Code.

GreenSeam® and GreenSeam®+ Snap-Lock Pipe is available in 28, 26 and 24 gauge galvanized steel, as well as aluminum and stainless steel. GreenSeam® and GreenSeam®+ Snap-Lock Pipe is available in diameters ranging in size from 4" - 14" and in lengths 24", 48" and 60". Button Lock is SMACNA RL-8. Gasket has 0 VOC's, a melt point of 300°F and has a flame spread index of no more than 25 and a smoke development index of less 50 when tested in accordance with ASTM E84 and UL 723.

GreenSeam®+ Pipe Part Number Schematic							
Example: 60SPBGP10GA26 = 60" long, 10" round GreenSeam®+ Snap Pipe in 26Ga. Galvanized Steel							
60 Pipe Length 24 - 2' 0" 60 - 5' 0" 48 - 4' 0" AL, S4 Only	SP Snap Pipe	B Lock Type B - Button	G GreenSeam	P PLUS	10 Pipe Diameter (Ød) Available in 4" - 14"	GA* Material GA-Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA: 28, 26, 24 AL: 25 S4-26

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GreenSeam®+ Fittings are available in 28, 26 and 24 gauge galvanized steel, as well as aluminum and stainless steel. GreenSeam®+ Fittings are available in diameters ranging in size from 4" - 20".

- Center High Efficiency Takeoff
- Straight-Sided High Efficiency Takeoff
- Tapered High Efficiency Takeoff

High Efficiency Takeoff Part Number Schematic						
Example: HTCS1510GA26D38 = Center HETO for 10" Pipe in 26Ga. Galvanized Steel, with a Solid Rod Damper and 1½" Stand-Off						
HTC Center High Efficiency Take-Off SHT Straight-Sided High Efficiency Take-Off HT Tapered High Efficiency Take-Off	S15 Stand-Off S15 - 1½" S2 - 2" (Opt. on Dampers Only)	10 Center HETO Diameter (Ød) Available in 4" - 20"	GA Material GA-Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 28, 26, 24 AL - 32 S4 - 26	D Damper (Opt.)	C Wingate hardware 38 3/8" Solid Rod (Opt. on Dampers Only)

- Press On Conical
- Spin In Conical

Conical Part Number Schematic									
Example: CNS15PR10GA26D38 = Press-on Conical for 10" Pipe in 26Ga. Galvanized Steel, with a Solid Rod Damper and 1½" Stand-Off									
S Scoop (Opt.)	CN Conical CN Spin-In Conical	S15 Stand-Off S15 - 1½" S2 - 2" (Opt. on Dampers Only)	P Press- On	R Riveted	10 Conical Diameter (Ød1) Available in 4" - 20"	GA Material GA-Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 28, 26, 24 AL - 32 S4 - 26	D Damper (Opt.)	C Wingate hardware 38 3/8" Solid Rod (Opt. on Dampers Only)

- 3" Long Spin-in Collar
- 3" Long Tabbed Collar
- 6" Long Press-on Collar
- 6" Long Spin-in Collar
- 6" Long Tabbed Start Collar
- 6" Long Press-on Flex Collar
- Spun Press-On Collar
- Spun Press-On Flex Collar

Collar Part Number Schematic										
Example: 6POS15CR10GA26D38 = Spun Press-on Collar for 10" Pipe in 26Ga. Galv. Steel, with a Solid Rod Damper and 1½" Stand-Off										
S Scoop (Opt.)	6 Collar Length 3 Collar Length	PO Press-On Start Collar POF Press-On Start Collar Flex (Smaller Diameter for Flex Duct) SC Tabbed Start Collar SI Spin-in Start Collar	S15 Stand-Off S15 - 1½" S2 - 2" (Opt. on Dampers Only)	C End C - Crimped (Std.)	R Riveted	10 Collar Diameter (Ød) Available in 4" - 20"	GA Material GA- Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 26, 24 AL - 32 S4 - 26	D Damper (Opt.)	C Wingate hardware 38 3/8" Solid Rod (Opt. on Dampers Only) See

- 6" Long Coupler
- 8" Long Coupler

Coupler Part Number Schematic							
Example: 6COPR10GA26 = 6" Long Coupler for 10" Pipe in 26Ga. Galvanized Steel with Plain Ends							
6 Coupler Length 8 Coupler Length	CO Coupler S15 Stand-Off S15 - 1½" S2 - 2" (Opt. on Dampers Only)	P - Plain End (Crimping Unavailable)	R Riveted	10 Coupler Diameter (Ød) Available in 4" - 14"	GA Material GA-Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 26, 24 AL - 32 S4 - 26	Optional D Damper (Opt.) C Wingate hardware 38 3/8" Solid Rod (Opt. on Dampers Only)

• 6" In-Line Sleeved Damper

Damper Part Number Schematic							
Example: NF6S2C4GA26D38 = In-Line Damper for 6" Pipe in 26Ga. Galvanized Steel, with a 3/8" Solid Rod Damper and 2" Stand-Off							
NF6 Damper Sleeve	S2 Stand-Off S2 - 2"	C Crimped	4 In-Line Damper Diameter (Ød) Available in 4" - 14"	GA Material GA-Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 26, 24 AL S4 G90	D Damper	38 3/8" Solid Rod C Wingate hardware

• Free Flow Tee Joint

Tee Joint Part Number Schematic			
Example: FTJ10GA26 = Tee Joint for 14" Pipe in 26Ga. Galvanized Steel			
FTJ Free-Flow Tee Joint	10 Tee Diameter (Ød) Available in 4" - 14"	GA Material GA - Galvanized (Std.) AL - Aluminum S4 - 304 S.S	26 Gauge GA - 26, 24 AL - 32 S4 - 26

Conditions of listing:

1. GreenSeam®+ Snap-Lock Pipe and Fittings shall be installed in accordance with manufacturer's published installation instructions and applicable codes.
2. GreenSeam®+ Snap-Lock Pipe and Fittings are manufactured in Monongahela, Pennsylvania under a quality control system with annual surveillance inspection with ICC-ES.

