CLICK HERE TO BROWSE THESE PRODUCTS

Best MATERIALS®.com

QUESTIONS? CONTACT US.

SALES@BESTMATERIALS.COM | 1-800-474-7570

HD HEATSHIELD ARMOR™

Product Installation Sheet

REV. 0820

Required Equipment

- Heavy duty scissors or utility knife
- Dust Mask
- Safety Glasses
- Gloves
- Long Sleeves (optional)
- Diagonal pliers
- Needle nose pliers
- Poster board or cardboard for template

WANT TO BE *FEATURED?*
FOLLOW, POST, TAG:
@HEATSHIELDPRODUCTS
#HEAVYDUTY #MARINE #IND

Installation Tips

For marine, industrial and GenSet applications do not use an air-gap. Completely wrap/encapsulate the pipe with Heatshield Armor.

FLEX PIPES- All flex pipes should have a separate piece of Heatshield Armor installed on them. Do not cover a flex pipe and solid pipe with one piece, it will prematurely cause a failure of Heatshield Armor.

Installation Steps

1. Heatshield Armor can only be installed on a clean exhaust system. Exhaust system components must be degreased and cleaned so that no debris or chemicals remain on the pipes. Failure to do so may result in debris or chemical combustion.
2. Safety glasses, gloves, and dust mask are REQUIRED when handling Heatshield Armor. Wearing a long sleeve shirt is also recommended.
3. Use butcher paper or poster board to create a template for the armor (Images 1-3).

   3A - Measure the OD of your pipe(s). If you are using the 1/2" thick Heatshield Armor, add 1" to the diameter measurement, then multiply by 3.14. Take that number and add an additional 1/2". If you are using the 1" thick Heatshield Armor, add 2" to your outside diameter then multiply by 3.14, then add 1. This is the width you should trim your Heatshield Armor to completely cover your pipe. For example, 3" diameter pipe, 1/2" thick Armor: (3 + 1) x 3.14=12.56 now 12.56 + .50=13.06" width for Armor.

   3B - Measure length. Write this measurement down. For ¼" thick Armor add ½" to length measurement. For the ½" thick Armor and add 1" to length measurement. For the 1" thick Armor and add 2" The extra material is for Step 7.

   3C - For gentle exhaust bends cut wedges (pizza slices) into poster board to help get around the curve. For complex pipes with multiple bends, it may be necessary to make the armor into a "clamshell" on the pipe (Images 13-16)
4. Test fit the template and make any changes at this time. For HD, industrial, powergen, and marine application, you do not use a gap - completely cover the pipe (Images 9-12).
5. Trace template onto the Heatshield Armor (Image 4).
6. Cut out Heatshield Armor with heavy duty scissors.
7. On industrial, marine, and genset applications: Do not fold down one edge on any seams where the Armor connect with another piece of Heatshield Armor. Instead leave one side with a "flap", this will make it possible to "seal" the seams (Images 13-15).
8. Take the Heatshield Armor and place the insulation side directly on the exhaust pipe (Images 9-16). The aluminum side should be facing outward, the insulation is directly on the pipe.
9. Secure with Thermal-Tie, HP Power Anchor (sold separately if kit not purchased), HP Tie Wire, safety wire, or clamp.

HEATSHIELD PRODUCTS, INC.

AMERICAN
MADE SINCE 1985

©Heatshield Products, Inc.

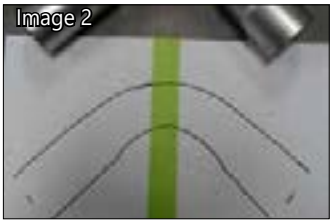
HD HEATSHIELD ARMOR™

Product Installation

Images

Images 1-4: Make template, trace onto Armor







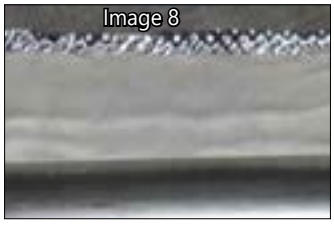


Images 5-8: Trim ¼", ½", or 1" of insulation from the edge









Images 9-12: Installed on pipe without gap, use flap to "seal" seam







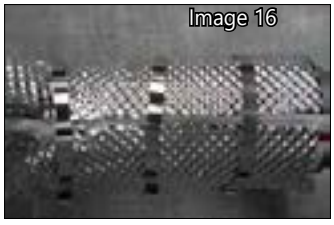


Images 13-16: "Clamshell" on pipe for complicated or tight bends









CHECK OUT: HP POWER ANCHORS

- Easy to use stainless steel anchor system
- Works on both Heatshield Armor series and similar products
- Kits include Inconel wire
- Works with standard pop rivet gun
- Made in the USA



PART NO.	DESCRIPTION
HD35414	20 anchors
HD35416	40 anchors

PLEASE NOTE:

Heatshield Armor may smoke after installation; it will eventually stop. Smoke is a normal by product of the curing process; your Heatshield Armor™ will not burst into flames.

HEATSHIELD PRODUCTS, INC.

AMERICAN
MADE SINCE 1985

©Heatshield Products, Inc.