



**AMATEX
CORPORATION**

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Amatex Basalt Lava Rock Laconia Narrow Products For the Stove & Hearth Industry

HEARTHES | STOVES | BOILERS | FURNACES | OVEN DOORS | VENTS





Basalt Stove & Hearth Gaskets Products

**KNIT ROPE | SQUARE KNIT ROPE | TWISTED ROPE | WOVEN TADPOLE
WOVEN TAPE | FLAT KNIT TAPE | WOVEN WINDOW CHANNEL**

Basalt is an igneous rock composed of molten lava rock with no other additives. Basalt based materials are environmentally friendly, non-hazardous and 100% recyclable. It is capable of continuous temperature exposure of 1200°F (649°C) and intermittent to 1800° (982°C). The material is spun into fibers and woven, braided or knitted into a variety of products that are inherently strong and flexible.

ADVANTAGES OF BASALT FIBER

- As Compared to E-Glass
 - ▷ Better Durability
 - ▷ Better Abrasion Resistance
 - ▷ Better Thermal Properties
 - Higher Melting Point
 - Higher Operating Temperature
 - Greater Thermal Conductivity
 - ▷ 20-25% Higher Tensile Strength
 - ▷ 10-15% Higher Tensile Modulus
 - ▷ Better Chemical Resistance
- Environmentally Friendly, Non-Hazardous and 100% Recyclable
- Non-Combustible and Fire Resistant
- Strength to Weight Ratio Exceeds Alloy Steel
- Superior Adhesion Characteristics for Coating
- Resistance to Electromagnetic Radiation

APPLICATIONS

- **Gas Fire Places:
Vented and Vent Free**
- **Wood Stoves**
- **Biomass Wood Stoves**
- **Outdoor Applications**
- **Cook Stove Ranges**
- **Coal Stoves**
- **Pellet Stoves**
- **Oil Stoves**
- **Gas Stoves**
- **Boilers**
- **Furnaces**





Basalt Knit Braided Rope

- **Applications include:** wood, pellet and coal stoves, ovens, boilers and furnaces
- Available in two densities: low and medium
- Diameters – 3/16" to 1-1/2"
- **Square Knit Rope:** OD 3/8" to 1-1/4"
- Available with pressure sensitive adhesive for easy application
- Packaged in 34 lb. boxes or spools



Basalt Twisted Rope

- **Applications include:** oven and door seals, packing channels, boilers and furnaces
- Temperature to 1200°F (649°C)
- Rope Diameters – 1/8" through 2"
- Packaged in 25 lb. spools or as requested



Basalt Flat Knit Tape

- **Applications include:** alternative knit sealing product for stove and window channels
- Soft and pliable with unique knit construction designed for 90° folds
- **Standard Flat Knit Tape**

Thickness	Width
1/6" 1/8"	1/2" 5/8" 3/4" 1"
Std. put up 100 ft.	Custom as required

- Available with pressure sensitive adhesive for easy application



Basalt Woven Tadpole Gaskets

- **Applications include:** seals for oven doors, wood, gas and coal stoves, direct vent fireplaces, boilers and furnaces
- Very flexible for easy installation
- **Standard Tadpole Gaskets**

Bulb Thickness	Tadpole Width	Tail Thickness
9/32" to 1/2"	1" to 2 1/2"	1/16"

- Available with pressure sensitive adhesive for easy application
- Packaged in 35 lb. boxes or spools



Basalt Woven Window Channel Gaskets

- **Applications include:** grooved channel for glass windows and stove applications
- **Standard Channel Gaskets**

Thickness	Width
1/6" 1/8" 3/16"	1/2" 3/4" 7/8" 1" or custom

- Available with pressure sensitive adhesive for easy application
- Packaged in 25 lb. boxes or spools



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