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# Amatex Basalt Lava Rock Laconia Narrow Products

**AUTOMOTIVE | CONSTRUCTION | AEROSPACE | EXPANSION JOINTS  
THERMAL INSULATION | PIPE & LAGGING PROTECTION | MARINE**





# Amatex Basalt Lava Rock Narrow Products

**BRAIDED ROPE | TWISTED ROPE | WOVEN TAPE | FLAT KNIT TAPE  
WOVEN TWILL TAPE | BRAIDED TEXTURIZED & FILAMENT SLEEVING**

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°F (982°C). The material is spun into fibers and woven, braided or knitted into a variety of products that are inherently strong and flexible making it a great product line for many insulation and high temperature applications.

## 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

## APPLICATIONS

- Automotive
- Construction
- Aerospace
- Marine
- Thermal Insulation
- Pipe & Lagging Protection
- Boiler & Furnaces
- Hearth Industry
- Expansion Joints





### Basalt Woven Twill Tape

- **Applications Include:** Automotive applications: intake, intercooler, exhaust pipes, header wraps, turbo pipes, wiring
- **Twill Weave Dimensions:**

Width	Thickness
1" to 4"	1/16"

- **Alternative Finishes:** Black dye or vertex coating (2000°F) (1093°C)
- Available with pressure sensitive adhesive for easy application
- **Standard Roll Length:** 100 ft. or customized



### Basalt Braided Rope

- **Applications Include:** Oven and door seals, packing channels, boilers and furnace
- **Standard Rope Diameter:** 1/8" to 3"
- **Standard Spool Size:** 25 lbs. or as requested



### Basalt Woven Tape and Flat Knit Tape

- **Applications include:** Thermal insulation, gasketing, pipe protection, hearth and stoves
- **Woven Tape Dimensions:** Available in plain and two-ply

Width	Thickness
1/2" to 4"	1/16" & 1/8"

- **Alternative Finishes:** Black dye or vertex coating (2000°F) (1093°C)
- Available with pressure sensitive adhesive for easy application

- **Flat Knit Tape Dimensions:**

Width	Thickness
1" to 5"	1/16" & 1/8"

- **Standard Roll Length:** 100 ft. or customized



### Basalt Braided Texturized and Filament Sleaving

- **Applications include:** Pipe and hose covers, wiring, spark plug boot covers, cables, exhaust pipes
- Durable, flexible for ease of application over tight ends and fittings
- **Texturized Sleaving Dimensions:**

Inside Diameter	Wall Thickness
1/2" to 3"	1/16" & 1/8"

- **Filament Sleaving Dimensions:**

Inside Diameter	Wall Thickness
1/2" to 2"	1/16"

- **Standard Spool Size:** 25 lbs. or as requested



### Basalt Twisted Rope

- **Applications Include:** Oven and door seals, packing channels, boilers and furnaces
- **Standard Rope Diameter:** 1/8" to 2"
- **Standard Spool Size:** 25 lbs. or as requested



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## **Amatex Corporation**

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