

# Fibermesh 450 Rockwool

## INTRODUCTION

Bradford Fibermesh 450 is a general purpose industrial insulation for use on process equipment, vessels, tanks & reactors. It is medium duty thermal and acoustic insulation suitable for continuous operation up to 450°C. It has a stitched Stainless Steel mesh that allows it to fit to irregular shaped surfaces or fast insulation repair work.

## PRODUCT DESCRIPTION

Bradford Fibermesh 450 Rockwool is a robust medium density insulation product stitched on one side with a 25mm stainless steel wire mesh. Fibermesh 450 is manufactured from spinning a molten mixture of natural rock and recycled product into fine wool like fibers. The inorganic fibers are bonded together using a thermosetting resin and mesh is then stitched to the base Rockwool to form the final product.

## APPLICATIONS

Fibermesh 450 can be used in applications where operating temperatures do not exceed 450°C such as process temperature control, energy conservation, condensation prevention, acoustic absorption treatment and personal protection from plant and equipment.

The Mesh facing provides additional strength and flexibility allowing the product to form and hold form around process equipment, ductwork and large diameter piping. Typical applications include boilers, heat exchangers, reactors, ovens, kilns, autoclaves and large diameter piping.

Bradford Fibermesh 450 is easily installed by impaling the batts or blankets on weld pins and securing with speed clips. The mesh joints may be laced together for extra strength if required.

## BENEFITS

- Lightweight highly durable insulation product
- Easily forms & holds shape of equipment to be insulated
- Excellent and cost effective thermal insulation
- Non-combustible
- Low chloride content
- Bio-soluble & safe to use product

## AVAILABLE FACINGS

Fibermesh 450 is available faced with Stainless Steel Mesh. Stainless steel Fibermesh is used in corrosive environments.

## HEALTH & SAFETY

This product is manufactured to the latest Fiber Biosoluble (FBS-1) Rockwool formulation and is not classified as hazardous according to the criteria of the ASCC guidelines. For further information refer to the MSDS sheet.

## SKU TABLE

FIBERMESH 450 - 80KG PER CUBIC METRE				
THICKNESS (mm)	LENGTH (mm)	WIDTH (mm)	PIECES PER PACK	M <sup>2</sup> PER PACK
25	5000	600	1	3
50	5000	600	1	3
75	5000	600	1	1.8
100	5000	600	1	1.2

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## PHYSICAL PROPERTIES

<b>DENSITY</b>	kg/m <sup>3</sup>	60
<b>MAXIMUM SERVICE TEMPERATURE</b>		450°C
<b>THERMAL CONDUCTIVITY</b>	ASTMC177	
<b>FIRE HAZARD PROPERTIES</b>	AS/NZS 1530.3:1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame: 0</li> <li>• Heat Evolved: 0</li> <li>• Smoke Developed: 0</li> </ul>
<b>COMPRESSIVE RESISTANCE</b>	Based on measurements obtained under compressive load, measured in accordance with BS2972-1975	
<b>CORROSION RESISTANCE</b>	BS 3958 part 5- 1969	pH 7.5-9.0; Less than 20ppm soluble chlorides
<b>MOISTURE ABSORPTION</b>	ASTM C1104	Less than 0.2% by volume.
<b>FLOW RESISTIVITY</b>		3.3 x 10 <sup>4</sup> mks Rayls/m.
<b>SAMPLE SPECIFICATIONS</b>	Install Bradford Fibermesh 450 in accordance with manufacturers written installation instructions.	

