

# Fibermesh 650 Rockwool

### INTRODUCTION

Bradford Fibermesh 650 is a general purpose industrial insulation for use on process equipment, vessels, tanks & reactors. It is a heavy duty thermal and acoustic insulation suitable for continuous operation up to 650°C. It has a stitched Stainless Steel mesh that allows it to fit irregular shaped surfaces or fast insulation repair work.

## **PRODUCT DESCRIPTION**

Bradford Fibermesh 650 Rockwool is a robust high density insulation product stitched on one side with a 25mm stainless steel wire mesh. Fibermesh 650 is manufactured from spinning a molten mixture of natural rock and recycled products into fine wool like fibers. The inorganic fibers are bonded together using a thermosetting resin and the mesh is then stitched to the base Rockwool to form the final product.

### **APPLICATIONS**

Fibermesh 650 can be used in applications where operating temperatures do not exceed 650 °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 650 is easily installed by impaling the batts or blankets on weld pins and securing with speed clips. The mesh joins may be laced together for extra strength if required.

### BENEFITS

- · Highly durable insulation product
- Facilitates forming and holds shape of equipment to be insulated
- · Able to be used at higher temperatures
- Excellent cost effective solution
- Non-combustible
- Low chloride content
- Bio-soluble & safe to use product

### **AVAILABLE FACINGS**

Fibermesh 650 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 SUIS sheet.

#### **SKU TABLE**

| FIBERMESH 650 - 100KG 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                                    | 3000        | 600        | 1               | 1.8                     |  |
| 100                                   | 2000        | 600        | 1               | 1.2                     |  |

Products not stocked in NZ may be subject to minimum runs. Please check with the Bradford NZ office before ordering.



## Fibermesh 650 Rockwool

#### **PHYSICAL PROPERTIES**

| DENSITY                        | kg/m³  | 100  |  |
|--------------------------------|--|--|--|
| MAXIMUM SERVICE<br>TEMPERATURE |  | 650°C  |  |
| THERMAL CONDUCTIVITY           | ASTMC177   | 0.200<br>0.180<br>0.160<br>0.140<br>0.120<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.0000<br>0.000 |  |
| FIRE HAZARD PROPERTIES         | AS/NZS 1530.3:1999   | <ul> <li>Ignitability: 0</li> <li>Spread of flame: 0</li> <li>Heat Evolved: 0</li> <li>Smoke Developed: 0</li> </ul>   |  |
| COMPRESSIVE RESISTANCE         | Based on measurements obtained<br>under compressive load, measured<br>in accordance with BS2972-1975 | Beduction in Nominal<br>Thickness %  |  |
| CORROSION RESISTANCE           | BS 3958 part 5- 1969   | pH 7.5-9.0; Less than 20ppm soluble chlorides  |  |
| MOISTURE ABSORPTION            | ASTM C1104   | Less than 0.2% by volume.  |  |
| FLOW RESISTIVITY               |  | 5 x 10⁴mks Rayls/m.  |  |





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