



## Knitmesh



### Knitmesh metal fabrics for high-temperature insulation-pad construction

- Excellent for salt water environment
- High temperature resistance
- Very good retention of insulation pad shape



## **Knitmesh**

Knitmesh fabrics are part of Temati's knit-fabric line, that has been designed to make insulation jobs just a little bit easier. The strength, durability, and high temperature resistance of metal, has been introduced to the flexibility, formability, and versatility of a textile fabric construction, providing the Insulation Industry with a tool for use in high temperature insulation pad construction. Knitmesh conforms to the requirements of MIL-STD.-769E dated July 1974.

Temati's Knitmesh fabrics have been manufactured with a unique anti-curl quality that permits the cloth to lay flat when cut, this feature enables the insulation craftsman to use Knitmesh fabric as he would use any other textile fabric in the manufacture of high temperature insulation pads.

## **Advantages**

- Retention of insulation pad shape.
- Minimum insulation fibre break-up, and low fibre sift-out.
- Excellent for salt water environment, and temp. to 1250°C (subject to metal alloy used).
- High anchoring strength for lacing hook assemblies.
- May be used on nuclear applications without chloride conditions.
- Widths designed to accommodate most insulation standards.
- Light-weight and high strength
- Low cost per sq. ft.

## **Product specifications**

Construction :  
 Wales per inch                      10-equally spaced  
 Courses per inch                    7-equally spaced

### **Alloys available**

Standard alloy                      304 SS (to 650°C)  
 Standard Wire Diameter        0.2 mm  
 Standard Widths                 76 cm  
 Put-Ups                              23 kg per roll (± 5 kg)  
 Type                                  Uncrimped  
 Yield                                  ± 4,92 m<sup>2</sup>/kg (single-ply)

Knitmesh can also be supplied in alloys 430 SS (to 540°C) and 600 Inconel (to 1250°C) and in crimped version. Alternative widths are 61 and 107 cm and optional wire diameter is 0.028 mm. Other possibilities available on request.

For removable mattresses following construction is recommended:

Knitmesh together with a glass fibre needlemat (such as Thermat) and a high temperature glass fabric (such as Temtex™ T950/HT600) and/or 2-sided silicone coated glass fabric (such as Temtex™ 420/SG2).

Note: Material is knitted and rolled in a tubular form (2-Ply)