



## Thermat



### Glass Fibre Needle mat

- For temperatures up to 600°C
- Non-combustible
- Thermal- and Acoustic insulating
- Removable insulation pads
- Mechanically 'needled' – no binders



### Thermat- ECO

**Thermat - ECO** is a glassfibre (100% E-glass) insulating blanket made from continuous filament fibres of 9 microns (non-hazardous). Thermal blankets are mechanically bound by way of a needle-felt technology, without of the use of binders.

### **Applications**

Removable insulation pads, ship turbines, power generating equipment, industrial furnaces and ovens, sound absorption baffles, fire protection, replacement of asbestos and ceramic fibres etc.

### **Characteristics (test method DIN 1259)**

Total weight	g / m <sup>2</sup>	600, 2000 and 4000	± 10%
Width (std)	mm	1000	± 1
Thickness	mm	5 / 12 / 25	± 1 / 2 / 2
Roll length (std)	M	50 / 10 / 10	
Max. application temp.	°C	600	
Thermal Conductivity	At 100°C = 0.040 W/m °C At 200°C = 0.055 W/m °C At 300°C = 0.072 W/m °C At 400°C = 0.094 W/m °C At 500°C = 0.112 W/m °C		

Remarks: Non-combustible DIN 4102