



An ISO 9001:2015 organisation



## **Precision. Performance. Protection.**

Leading Indian manufacturer of glass fibre needle mats and advanced insulation materials since 2008.

# ABOUT US

Established in 2008, GUJWOOL Glassfibre Composites has grown into a premier manufacturer of high-performance thermal insulation. We specialize in engineering materials that offer exceptional thermal stability and mechanical strength for extreme operating environments.

## WHY PARTNER WITH GUJWOOL?

- ✔ **15+ YEARS OF EXPERTISE:**  
Deep-rooted manufacturing experience in composite materials.
- ✔ **CUSTOM ENGINEERING:**  
We don't just sell products; we develop solutions tailored to your technical requirements.
- ✔ **GLOBAL STANDARDS:**  
Automotive OEM supply ready with export-compliant packaging.
- ✔ **VERSATILE APPLICATIONS:**  
Catering to everything from industrial furnaces to aerospace heat shields.



## CUSTOMIZATION CAPABILITY

Beyond standard rolls, we provide value-added processing:

- ✔ **PRECISION CUTTING:**  
Die cutting and CNC profiling.
- ✔ **FINISHING:**  
Aluminum foil facing and adhesive backing.
- ✔ **LAMINATION:**  
Multi-layer composite lamination.



## SUSTAINABILITY AND INNOVATION

We are committed to responsible manufacturing through:

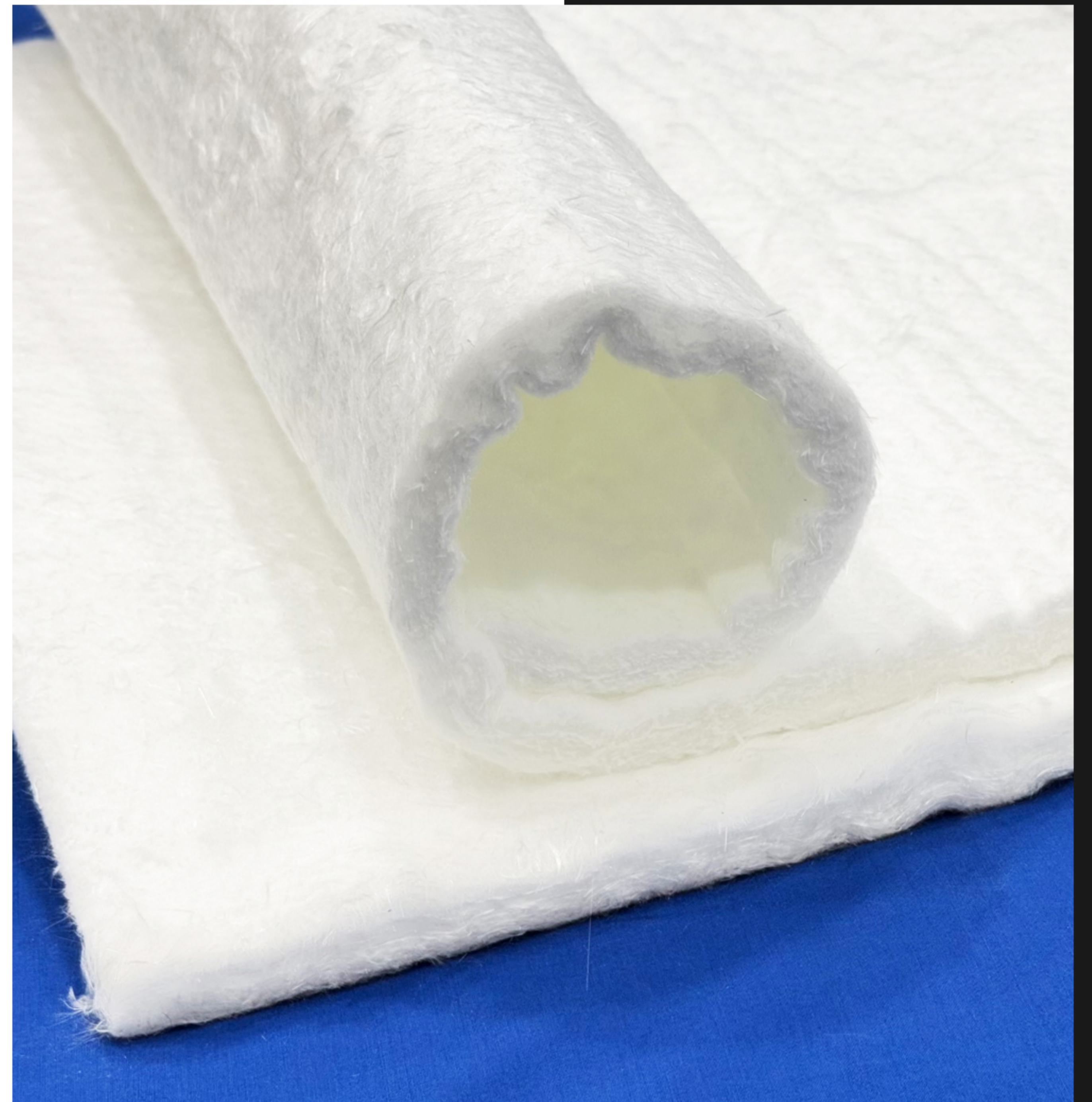
- ✔ Binder-free production to eliminate toxic emissions.
- ✔ Energy-efficient production processes.
- ✔ Quality standards guaranteed

# GUJWOOL HT-SERIES (High-Purity Silica Needle Mat)

Designed for extreme temperature applications, the HT-Series contains  $\geq 90\%$   $\text{SiO}_2$  for superior thermal resistance & fire protection. The material maintains structural integrity at continuous operating temperatures up to  $1000^\circ\text{C}$  and exhibits minimal thermal shrinkage under prolonged exposure.

Its low thermal conductivity, combined with non-combustible characteristics, makes it ideal for furnace linings, kilns, boilers, fire protection systems, and aerospace heat shields.

The binder-free manufacturing process eliminates smoke and toxic emissions during high-temperature exposure, enhancing safety in fire-critical environments.



## TECHNICAL SPECIFICATIONS:

Fibre Type High Silica Glass	Silica Content $\geq 90\%$
Maximum Temperature $1000^\circ\text{C}$	Width 1000 – 1200 mm
Thickness 3 – 25 mm	Roll Length As per requirement
Density $140 \text{ kg/m}^3$	

## KEY FEATURES:

- ✓ Continuous temperature resistance up to  $1000^\circ\text{C}$
- ✓ Excellent flame resistance
- ✓ Low thermal conductivity
- ✓ High thermal stability
- ✓ Lightweight and flexible

## TYPICAL APPLICATIONS



Industrial furnaces and kilns



Fire blankets and passive fire protection



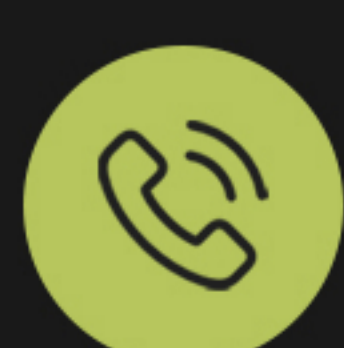
Boiler and incinerator insulation



Aerospace heat shields



Metallurgical processing units



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# STANDARDIZED TESTING & GLOBAL COMPLIANCE

Our materials undergo rigorous validation to ensure they meet the highest international safety and performance benchmarks.

✔ ASTM Standards

✔ EN Standards  
(European Equivalent)

✔ ISO Test Methods

## COMPREHENSIVE QUALITY ANALYSIS INCLUDES:

✔ Thermal Conductivity

✔ Tensile Strength

✔ Density Test

✔ Fiber Diameter Analysis

✔ pH Test

✔ Chloride & Sulphur Content

✔ LOI (Loss on Ignition)

✔ VOC Emission Testing

✔ Fire Resistance Testing

## PRODUCT APPLICATIONS



Automotive



Aerospace



Marine



Power Generation



Construction



Railways




Industrial OEMs



# GUJWOOL

MANUFACTURER OF E GLASS FIBRE NEEDLE FELT

TM

 PROUDLY MADE IN INDIA

## READY TO ENGINEER YOUR SOLUTION?

Whether you require standard insulation or a custom-developed composite, our technical team is ready to assist.



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Global Supply Ready We offer export-compliant packaging and logistics support for international industrial OEMs.