

# GUJWOOL

## GLASSFIBRE COMPOSITES

ISO 9001:2015 CERTIFIED  
ORGANISATION

MANUFACTURERS OF  
GLASSFIBRE NEEDLE MAT

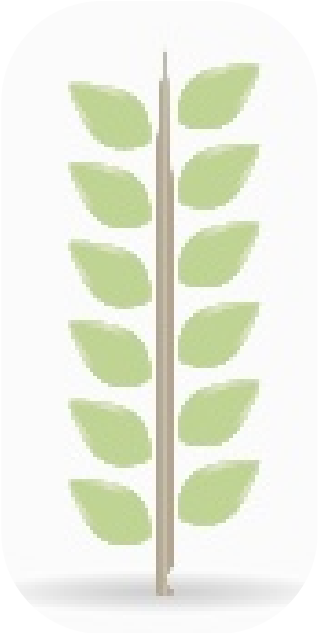
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# 2008

A/112, SAGAR TECH PLAZA,  
ANDHERI (E), MUMBAI-77,  
MARASHTRA, INDIA.

[www.fibregalsswool.com](http://www.fibregalsswool.com)





## **FEATURES:**

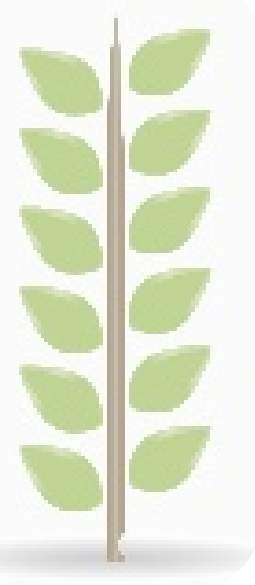
- **Material:** 100% silica glass fibre-silica content (usually above 96%)
- **Temperature Resistance:** Up to 1000°C (1832°F)
- **Manufacturing Process:** Needle-punched, without binders

## **SPECIFICATIONS:**

- **Thickness:** 3mm-25mm
- **Width :** 1M to 1.2 M
- **Length:** As per customer's requirement
- **Density:** 96kg/m<sup>3</sup> to 160 kg/m<sup>3</sup> (can be customized as per requirements)
- **Weight (g/m<sup>2</sup>) :** 400 to 1200 GSM

## **BENEFITS:**

- **Excellent Thermal Insulation**
- **Durability and Longevity**
- **Safety**
- **Versatility**
- **Lightweight and Flexible**
- **Sound Absorption**
- **Energy Efficiency**
- **High Performance in Extreme Conditions**



## APPLICATIONS:

- **Industrial Insulation:** Used in furnaces, kilns, and high-temperature pipelines to maintain temperature control and energy efficiency.
- **Automotive and Aerospace:** Utilized in heat shields, exhaust systems, and fire protection blankets.
- **Power Generation:** Applied in turbines, boilers, and heat exchangers to manage heat and improve efficiency.
- **Construction:** Used in building insulation for fireproofing and thermal management.
- **Marine:** Employed in shipbuilding for fire-resistant and thermal insulation purposes.

## TESTS CONDUCTED:

Tests conducted at various certified test laboratories such as **ARAI, BTRA, SASMIRA, NIRMA UNIVERSITY, PIBCO** laboratories:

1. Thermal conductivity
2. ROCH
3. VOCL
4. Tensile strength
5. Max temp. applicable
6. Chloride/Sulphur test
7. PH Test
8. Fibre Diameter

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