



## One Stop For All Your Formulation Needs

JRS performance material is a manufacturer and distributor of glassfiber related materials for a wide range of end-use applications. JRS's products include glassfiber tissue, Mesh cloth, Non-woven fabric, silicone fluids, LSR/HCR silicone rubber and other building related products. JRS has the necessary technical expertise to develop and prepare custom materials and solutions to add premier value to our customers.



### Competitive Pricing

We provide incredible pricing of a wide selection of materials to meet your needs.



### Custom Preparation

In addition to off-the-shelf products, we custom prepare products at varied scales



### Strong Technical Expertise

We have more than 25 years of experience in silanes and other silicones.



### Wide Product Selections

Looking for materials for adhesives, plastics, inks, rubber, coatings... We've got you covered.

## JRS (HangZhou) Performance Material Co, Ltd.

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⊙ Description

Polyester long-staple reinforced nonwoven fabric, made from ultra-high-strength glass fiber and polyester chips, is processed via spinning, spinning again to combine glass fiber with polyester filaments, then needle-punching and fixing. It's ideal for SBS, APP modified bitumen waterproofing membranes, PVC membranes, and asphalt shingles.

⊙ Product Parameters

型号 model	克重 Weight (g/m <sup>2</sup> )	拉伸强度 Tensile strength (N/50mm)		厚度 thickness (mm)	湿度 moisture content (%)
		MD	CD		
TMC120S	120	≥240	≥150	0.45±0.10	≤ 1.0
TMC140S	140	≥ 260	≥170	0.45±0.10	≤ 1.0
TMC160S	160	≥ 280	≥200	0.45±0.10	≤ 1.0
TMC180S	180	≥ 300	≥210	0.45±0.10	≤ 1.0
TMC200S	200	≥ 320	≥220	0.45±0.10	≤ 1.0
TMC240S	240	≥350	≥240	0.45±0.10	≤ 1.0
TMC300S	300	≥ 380	≥280	0.60±0.10	≤ 1.0
TMC350S	350	≥ 400	≥280	0.6±0.10	≤ 1.0
TMC390S	390	≥ 450	≥330	0.6±0.10	≤ 1.0
TMC430S	430	≥ 500	≥350	0.80±0.10	≤ 1.0
TMC480S	480	≥ 550	≥380	1.0±0.20	≤ 1.0
Testing basis	ISO3374	ISO3342		ISO4603 @0.5KPa	ISO 3344

Notes:

1. Customized products are available upon customer request.
2. The above technical data is for reference only.

⊙ Characteristic

- ⊙ Even fiber distribution and smooth surface.
- ⊙ High tensile strength and tear strength
- ⊙ Low thermal shrinkage、Dimensional stability
- ⊙ Excellent low-temperature flexibility, Aging resistance, and highly weatherable
- ⊙ Good asphalt absorption and impermeability.
- ⊙ Our products can be customer tailored according to our customers' requirement.

1. Roll packaging: PE plastic film
2. Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

⊙ Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp

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### ○Description

The thermal insulation facing aluminum - foil composite material uses a unique and advanced process. It combines aluminum foil, reinforcing meshes (fiberglass, PET), non - woven fabrics (PET, fiberglass, PP), etc., through adhesive coating, hot pressing and drying. This creates a material with a smooth surface, high light reflectivity, high tensile strength in all directions, and excellent impermeability and sealing. It also has strong weather resistance and can be cut and perforated.

This material works well as a thermal - sealing facing and vapor - barrier layer for various thermal - insulation materials like glass wool, rock wool, PU, PIR, XPS, mineral wool, PEF, and rubber - plastic products. It suits online thermal - sealing and bonding of cotton felts, cotton boards, cotton pipes, PU, PIR, XPS foam insulation boards, PEF boards and pipes, and rubber - plastic boards and pipes.

It meets the thermal - insulation and vapor - barrier needs of roof and wall insulation boards, HVAC ducts, and hot - cold water pipes, as well as building thermal - insulation requirements. It has many advantages, such as fire - retardancy, corrosion resistance, thermal insulation, sound absorption, energy efficiency, high tensile strength, and impermeability.

Aluminum - foil composite material insulation boards are widely used in the construction industry. They're great for exterior wall insulation, interior wall insulation, roof insulation, partition - filling insulation, HVAC duct insulation, and hot - cold water pipe insulation in various buildings like residences, apartments, hotels, office buildings, factories, warehouses, and supermarkets. They're advanced, energy - saving, and eco - friendly, making them a high - efficiency new - type facing material.

### ○Product Parameters

product composition	Material Description	quantitative value
aluminum foil	Pure aluminum foil, oxidized coated aluminum foil	5~50 μm General 7、18、25μm
glue	PE, acrylic, polyurethane, etc Flame-retardant	5~40 g/m <sup>2</sup> General 15、20、25g/m <sup>2</sup>
Strengthen the grid cloth	PET, fiberglass mesh fabric General the grid cloth sizes:3*3,5*5,10*10mm	10~100 g/m <sup>2</sup> General 10、15、20、25、40、80 g/m <sup>2</sup>
non-woven fabrics	PET, PP glass fiber non-woven fabric	20~100g/m <sup>2</sup> General 30、35、40、45、50、60、90g/m <sup>2</sup>
Total weight of composite materials		50~300g/m <sup>2</sup> General 85,100,125,150,175,200,250 g/m <sup>2</sup>
Product width		50mm~1500mm General 100、200、1000、1200、1300mm
Product length	300	General 50、100、200、300M/roll customized according to requirements

#### Notes:

- Paper core diameter : 76mm / 152mm
- Customized products are available upon customer request. The above technical data is for reference only.

### ○Characteristic

- Smooth and flat surfaces with high light reflectivity
- Excellent fire - resistance, corrosion resistance, thermal insulation and sound absorption.
- Outstanding tensile strength both longitudinally and transversely,
- Bonds well with substrate materials
- Offers great sealing with no air or water permeability
- Boasts remarkable weatherability and high compressive and flexural strength in finished panels.

- Roll packaging: PE plastic film
- Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

### ○Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp

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### ⊙Description

Sound-absorbing fiberglass coated mat is a versatile material used for surfacing acoustic ceilings and wall panels based on materials like mineral wool, glass wool, rock wool, and XPS. Its advantages include high tensile and flexural strengths as well as excellent compressive strength. It is ideal for places where noise reduction and sound quality improvement are needed, such as concert halls, cinemas, recording studios, meeting rooms, and offices. The material offers benefits like fire resistance, water resistance, high strength, UV resistance, and immunity to mildew, wrinkling, and cracking. It is also an energy-efficient and environment-friendly option.

### ⊙Product Parameters

型号 model	克重 Weight (g/m <sup>2</sup> )	拉伸强度 Tensile strength (N/50mm)		厚度 thickness (mm)	湿度 moisture content (%)
		MD	CD		
TMC100D	100	≥250	≥150	0.45±0.10	≤ 1.0
TMC120D	120	≥260	≥160	0.45±0.10	≤ 1.0
TMC140D	140	≥ 280	≥180	0.45±0.10	≤ 1.0
TMC160D	160	≥ 300	≥200	0.60±0.10	≤ 1.0
TMC180D	180	≥ 320	≥210	0.60±0.10	≤ 1.0
TMC200D	200	≥ 380	≥250	0.70±0.10	≤ 1.0
TMC240D	240	≥400	≥280	0.70±0.10	≤ 1.0
Testing basis	ISO3374	ISO3342		ISO4603 @0.5KPa	ISO 3344

#### Notes:

- Paper core diameter: 152mm / 305mm
- Customized products are available upon customer request. The above technical data is for reference only.

### ⊙Characteristic

- ⊙Even fiber distribution, smooth surface and uniform pores.
- ⊙Excellent acoustic performance
- ⊙It bonds well with substrate materials and boasts high compressive and flexural strengths.
- ⊙Fire-resistant, Water-resistant, UV-resistant
- ⊙Prevents mildew, wrinkles, and cracking.
- ⊙Our products can be customer tailored according to our customers' requirement.

- Roll packaging: PE plastic film
- Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

### ⊙Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp.

### ○ Description

Gypsum board with fiberglass - coated facing tissue is a material used in gypsum board facing layers for waterproofing, fire - resistance, mildew - prevention and sound - insulation. It bonds tightly with the gypsum core, resulting in excellent flexural strength, compressive strength and crack resistance in the finished product. This type of gypsum board is widely used in the construction industry. It's suitable for various applications like interior partitions, exterior and interior wall coverings, ceilings, soundproof panels, decorative panels in residential buildings (e.g., exterior walls), offices, basements, garages, elevator shafts, kitchens and bathrooms. Besides, it has good UV resistance, fire resistance, water resistance and durability. It doesn't mildew, wrinkle or crack, making it an energy - efficient and environmentally friendly new - type building material.

### ○ Product Parameters

型号 model	克重 Weight (g/m <sup>2</sup> )	拉伸强度 Tensile strength (N/50mm)		厚度 thickness (mm)	湿度 moisture content (%)
		MD	CD		
TMC260S	260	≥350	≥240	0.60±0.10	≤ 1.0
TMC320S	320	≥ 380	≥260	0.60±0.10	≤ 1.0
TMC350S	350	≥ 400	≥280	0.60±0.10	≤ 1.0
TMC390S	390	≥ 450	≥330	0.60±0.10	≤ 1.0
TMC430S	430	≥ 500	≥350	0.80±0.10	≤ 1.0
TMC480S	480	≥ 550	≥380	1.0±0.15	≤ 1.0
TMC600S	600	≥ 600	≥450	1.0±0.15	≤ 1.0
Testing basis	ISO3374	ISO3342		ISO4603 @0.5KPa	ISO 3344

#### Notes:

- Paper core diameter: 152mm / 305mm
- Customized products are available upon customer request. The above technical data is for reference only.

### ○ Characteristic

- Even fiber distribution and smooth surface.
- Excellent water resistance and high strength retention
- It bonds exceptionally well with gypsum core materials
- High compressive and flexural strength
- Fire - retardant, Water - resistant, UV - resistant, Non - mildew and non - wrinkling.
- Our products can be customer tailored according to our customers' requirement.

- Roll packaging: PE plastic film
- Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

### ○ Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp

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## Decorative Fiberglass Coated Mats for Insulation Board

### ○ Description

Fiber glass surfacing mats, used for insulation board facings, bond strongly with core materials like mineral wool, glass wool, rock wool, XPS, and PU. They provide a smooth, decorative surface with high strength. Custom colors are available for various applications. These insulated boards with fiberglass surfacing are widely used in building partitions, roof and wall insulation, and air-conditioning ducts. They offer excellent decoration, insulation, fire resistance, water resistance, and durability, and are mold and wrinkle-free. They're a key new eco-friendly insulation and decorative material.

### ○ Product Parameters

型号 model	克重 Weight (g/m <sup>2</sup> )	拉伸强度 Tensile strength (N/50mm)		厚度 thickness (mm)	湿度 moisture content (%)
		MD	CD		
TMC 50D	50	≥160	≥80	0.35±0.10	≤ 1.0
TMC 60D	60	≥ 180	≥90	0.45±0.10	≤ 1.0
TMC 75D	75	≥ 200	≥100	0.5±0.10	≤ 1.0
TMC 100D	100	≥ 250	≥120	0.65±0.15	≤ 1.0
TMC 150D	150	≥ 300	≥150	1.0±0.15	≤ 1.0
TMC 200D	200	≥400	≥200	1.5±0.20	≤ 1.0
Testing basis	ISO3374	ISO3342		ISO4603 @0.5KPa	ISO 3344

#### Notes:

- Paper core diameter: 76mm / 152mm
- Customized products are available upon customer request. The above technical data is for reference only.

### ○ Characteristic

- The fibers are evenly distributed, and the mat surface is smooth and compact.
- It has excellent water resistance and high strength retention when immersed.
- With superior decorative properties and a strong bond with substrates
- Fire - retardant, Water - resistant, Anti-mold, and wrinkle-free.
- Our products can be customer tailored according to our customers' requirement.

- Roll packaging: PE plastic film
- Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

### ○ Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp

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