FIBERGLASS MATERIALS FOR CONSTRUCTION, MARBLE, INSULATION

CNBM International Corporation
China National Building Material (Group) Corporation (CNBM) is a State-owned Enterprise in charge of administrative affairs in China building material industry. Established in 1984, CNBM is the largest group corporation of building material in China, which has total assets of RMB 25 billion and a total staff of 30,000. In 2011 year, CNBM is one of the top 500 companies in the world. Now CNBM owns more than 200 subsidiaries in and abroad the country, including wholly-owned corporations and joint ventures.

CNBM International Corporation is one subsidiary of CNBM. We specialize in offering series of fiberglass material of construction industry as follows:

- Coated Alkali-Resistant Fiberglass Mesh Cloth
- Fiberglass Self-Adhesive Mesh Tape
- Fiberglass Wall Covering Cloth
- AR-glass Fiber Chopped Strands
- Fiberglass Fabric
- Fire Blanket/Welding Blanket
- Fiberglass Sleeve
- Fiberglass Tissue Tape
- Fiberglass Mesh With PVC Corner Bead
- Metal Corner Tape
- Paper Drywall Joint Tape

All those products are widely used in building construction. We enjoy perfect technical inspection facilities, advanced quality-control system and great production capacity, all which could ensure timely delivery as well as good quality.
Coated Alkali-Resistent Fiberglass Mesh Cloth

Fiberglass Self-Adhesive Mesh Tape

Fiberglass Wall Covering Cloth

Fiberglass Tissue Tape

Fiberglass Mesh With PVC Corner Bead

Metal Corner Tape

Paper Drywall Joint Tape

Fiberglass Fabric

Coated Fiberglass Fabric

Fire Blanket/Welding Blanket

Fiberglass Insulating Sleeve

www.cnbmfiberglass.com
Coated Alkali-Resistant Fiberglass Mesh Cloth

Introduction

Coated Alkali-resistant fiberglass mesh cloth is based on C-glass or E-glass woven cloth and treated by alkali-resistance copolymer resin on the surface.

The woven cloth is made of fiberglass yarn or roving by means of leno or plain weave.

The diameter of elementary fiberglass varies between 9 and 15 micron.

The resin used for the surface treatment ensures the property of alkali-resistance and increases the mechanical durability that is required by the construction industry.
## Specification

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Yarn Tex (tex)</th>
<th>Density (Counts/25mm)</th>
<th>Treated Woven Mass G/m²</th>
<th>Woven Structure</th>
<th>Resin Content (%)</th>
<th>Tensile Strength (N/5cm×20cm)</th>
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</table>

Color: white, yellow, blue, etc

Based on order, special specifications are also available.
Application:

1. External Thermo Insulating Composite System (ETICS) & External Insulating Finish System (EIFS)

Nowadays, saving energy is an urgent mission before us. And ETICS/EIFS are specially designed to complement this energy saving mission, offering high durability to aggressive weather conditions.

Variation in external temperatures, mortar shrinkage and movements of insulating panels may cause clefts or hair cracks on the surface of the system. Because of this, fiberglass mesh is used.

Our high quality mesh cloth products, which have excellent property of alkali-resistance, high strength, good cohesion, have become an integral part of many certified ETIC systems offered on the market by major system suppliers.
2. External and internal plaster reinforcement

Alkali-resistant fiberglass mesh cloth is widely used to reinforce exposed areas of external and internal plaster (wall joints, windows and door corners and the channels for water or gas pipes and electrical wiring).

Another circumstance in which mesh cloth can be used is when two materials with different coefficients of expansion meet one other. In this case there is a risk that the plaster coat will crack. In order to absorb the tension, it is recommended that a strip of fiberglass mesh be applied over the joint.

Remarks:
Two mesh belts should overlap by 10 CM (minimum) on each side.
The mesh should be placed at least 2 to 3 MM under plaster surface.

Walls with channels for electrical wires

Two different materials joint
(the wall made of light weight material and the concrete wall)
3. Electrical heating mats

In electrical floor heating systems, fiberglass mesh is used to make the installation of the heating system more easily.

In this system, Electrical wiring could be combined with fiberglass mesh belts in two ways:
To be attached to fiberglass mesh belts by self-adhesive tape.

Or to be attached with the fiberglass mesh belts which have self-adhesive coating on one side.

4. Marble Slab Reinforcement / Mosaic Carrier

Fiberglass mesh cloth is an ideal reinforcement product for stone-processing factories. It can reinforce and protect stones because of its high strength and balance structure. It can spread the stress equally, and stick to the back of stones such as marble and mosaic easily.

Marble slab reinforcement
When fiberglass mesh cloth is used with marble slab, it is bonded on one side of the slab. This process prevents marble slab from damage during manipulation and further processing.

Mosaic carrier
With good retaining performance, smoothness and softness, Coated Alkali-Resistant Fiberglass Mesh Cloth is an ideal base material for glass mosaic, stone mosaic, and ceramic mosaic, etc.
5. Asphalt reinforcement (roof water-proof)

As there is almost no strength in waterproof medium (bitumen) itself, the waterproof system is easy to crack and leak due to temperature changes, isolation weathering, and wind abrasion, etc.

When putting fiberglass mesh cloth in the system, it can prevent cracking and reduce the adverse effects of weathering such as oxidation and deterioration of asphalt.

6. Reinforced lightweight construction boards

Construction boards (made of polystyrene or polyurethane) reinforced on both sides by fiberglass mesh are successfully used in the building industry. The boards are about 60 cm wide, up to 2.5 m long and up to 80 mm thick and are useful wherever the straight or difficult shapes of wall's partition are required. They can be used on different kinds of houses partitions, walls of bathtubs and shower baths, swimming pools walls, pipes covers and so on.

Because of the reinforcing fiberglass mesh attached to the boards with special adhesive, the board's surface forms an ideal substrate for thin-bed tile laying or for the application of render finishes.

Packing:

Width (cm): 10 to 200 (Standard: 100)
Length (m) 50, 100, 300 (Standard: 50)
Each roll is shrink-wrapped, or to be packed in plastic bag. Then rolls are put into pallets and cartons.
Diameter of paper tube (mm): 25, 50, 76 or 152
Special requirements are also available.
**Fiberglass Self-Adhesive Mesh Tape**

**Introduction**

Fiberglass self-adhesive mesh tape is widely used in covering drywall joints, cracks, and holes on drywalls, plasterboard, stucco and other surface.

It has property of easy to apply, no pre-plastering required, more environmentally-friendly job. It will not tear, shrink, stretch or bubble, while it hides joints, cracks and holes permanently.
### Specification

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<tr>
<th>Product Code</th>
<th>Yarn Tex (tex)</th>
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<th>Resin Content (%)</th>
<th>Tensile Strength N/5cm</th>
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<tr>
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<td>Warp</td>
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<td>8±0.5</td>
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</table>

Color: white, yellow, blue etc.  
Based on order, special specifications are also available.

### Application

Wall must be clean and dry;

Center and apply tape over the length of the joint and pressing firmly;

Apply a generous first coat of compound over the tape and through the mesh, making sure to completely fill the joint crevice. When the joint has been completely filled, wipe off any excess compound with the drywall knife leaving enough to cover the tape;

Let dry completely, then sand slightly;

Apply sufficient thin finishing coats to produce a smooth wall surface;

Cut of butted boards do not have a tapered edge.  
Therefore, special care must be taken to assure proper compound penetration of all joints. This may result in slight build-up of compound that will require an increased amount of edge feathering.
CAUTION

Failure to completely fill the joint may result in cracking.
For best results, use a setting-type compound.

Packing:
Width (mm): 35, 40, 42, 46, 50, 100, 150, 200, 1000.
Length (m): 10, 20, 45, 90, 153
Each roll is shrink-wrapped, or to be packed in plastic bag.
Diameter of paper tube (mm): 55, 76

Storage:
Store rolls in a cool, dry location
Store away from direct contact with the ground or concrete
Store out of direct sunlight
Protect rolls from weather and other damage
- **Fiberglass Wallcovering Cloth**

**Introduction**
Fiberglass wallcovering cloth, that combines the versatility of paint, from latex to epoxy, with the strength and benefits of woven fiberglass textile yarns to meet the most demanding wall finish requirements. Fiberglass textile yarns, as a kind of natural materials, are woven into various textures and patterns and then treated with a natural starch binder for dimensional stability during the hanging process.

Compared with traditional wall papers, fiberglass wall covering cloth has the following advantages: Environment Friendly; Flame Retardant; Air Permeability; Shock Resistance; Waterproofing; Anti-corrosion; Abundant Colors & patterns

**Application**
As a high-tech indoor decorating material, fiberglass wall covering cloth is widely used in resident homes, offices and shops and even cinemas, theatres, hotels and hospital facilities, air ports, office buildings, shopping centers and schools.

**Packing:**
Width(m): 1m  
Length(m): 25, 50  
Each roll of fiberglass wallcovering cloth is wrapped in a shrinking polythene film, then to be put in carton.

**Test Report**
Our products had passed test by SGS as follows:  
1. EN 12956: for determination of dimensions, straightness, spongeability and washability.  
2. EN 12149: for determination of magration of heavy metals and certain other elements, of vinyl monomer and of formaldehyde release.  
3. EN 20105-B02: light solidity.

Our products had passed test of Fire Retardancy M1 Class by LNE.
• Fiberglass Tissue Tape

Application:
It is mainly used as substrates for water-proof roofing materials and joint materials. It is characterized by high tensile strength, corrosion resistance, dimensional stability, water resistance, high porosity and easy saturation by bitumen and joint compound. The longitudinal strength and tear resistance can be improved further by incorporating reinforcements into the mat across its whole width. Perforated mat is also available when the mat comes out from a particular punch process.

Specification
Area Weight: 35g/m², 40g/m², 45g/m²
Width: 50MM
Length: 20M/90M
Diameter: 120-123mm
Binder Content: 18%
Tensile strength MD: ≥170N/5cm
Tensile strength CMD: ≥100N/5cm
Wet strength: 70N/5cm

Packing
The roll is wrapped in plastic bag, then be put into carton.
Fiberglass Mesh with PVC Corner Bead

**Introduction**

Fiberglass Mesh with PVC Corner Bead is corrosion resistant, flexible and make the installation of the edge quick, it can reinforce exterior stucco corners, make the corner hard-to-damage, rustproof, straight, and easily curved for smooth arches.

**Specification**

- Length: 2.50m
- Mesh Cloth Width: 8+ 12cm or 10+ 15cm
- Mesh Weight: 145 g/m²
- Width of Bead: 20mm
- Thickness of Bead: 1mm
- Weight of Bead: 70g

**Packing**

Pieces are put into carton.
● Metal Corner Tape

Introduction
Metal Corner Tape is unique designed features traditional paper with two reinforcing strips of galvanized steel. The results are tough corners designed to withstand “day to day” abuse. The tape is easier to use than traditional metal corner bead. Our steel corner tape is packaged in rolls making it easier to merchandise and transport. It also saves waste, we can cut only the size we need.

Specification

<table>
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<tr>
<th>Item</th>
<th>Unit</th>
<th>Standard Value</th>
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<td>Tensile Strength</td>
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Application:
Metal Corner Tape can be used on archways and curves. It is also ideal for non 90° angles.

Packing:
Width(mm): 50
Length(m): 30
Each roll is put into a paper box, then 10/20 rolls to be put in one carton.
**Paper Drywall Joint Tape**

**Introduction**

Paper Drywall Joint Tape is a widely used tape in various applications, especially to be used for wall renovation, decoration and so on.

**Specification**

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<th>Item</th>
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<td>Minimum Fiber Adhesive Froce</td>
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**Application:**

Paper Drywall Joint Tape can be stuck to plasterboard, cement and other building materials completely and prevent against the cracks of wall and its corner. Meanwhile, it can use together with fiberglass self-adhesive mesh tape, make the building decoration and installation easier.

**Packing:**

Width(mm): 50
Length(m): 75, 90, 150
Each roll is wrapped in plastic bag, then 10/20 rolls to be put in one carton.
Fiberglass Fabric

Introduction:
Fiberglass fabric is weaved by high quality fiberglass, as a kind of engineering material, which is many excellent characteristics: flame-resisting, corrosion resistant, High Strength, heat resistance, stable structure, Good chemical resistance, Durability.

Application Range: This new material products mainly used in construction, electric insulation, chemical industry, pipeline ductile conjunction, large generating Corrosion proofing field, machinery, metallurgy, sealing, heat insulation, sound absorption, anti-fire and environmental protection and so on.

Technical Specification:

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**COATED FIBERGLASS FABRIC**

### Silicone Rubber Coated Fiberglass Fabric

**Application:** It has been widely used in construction, electric insulation, chemical industry, pipeline ductile conjunction, large generating Corrosion proofing field, machinery, metallurgy, sealing and so on.

**Technical data:**
1. Thickness: 0.2mm-5mm
2. Width: 100cm-150cm
3. Color: grey, red, sliver, black
4. Weight (coating): 130g/m2-2800g/m2
5. Coating ways: single-side coated, double-side coated

### PVC Coated Fiberglass Fabric

**Product introduction:**
PVC Coated Fiberglass Fabric is made with the basal material of high temperature resistant fiberglass fabric and PVC by follow-processing; it is a compound material with high quality of performance.

**Application:** It has been widely used in shed fabric, wind-booting tube, fire blanket used on water-proofing, fire-proofing, cold-proofing and so on.

### PU Coated Fiberglass Fabric

**Application:**
Can be used for waterproofing in roof, underground projects, bridges, drainage channels, reservoir and disposal of sewage and etc, also applied to motor, chemical plant, equipment of power plant and so on.
Acrylic Acid Coated Fiberglass Fabric

**Application:**
1. used in fire blankets, fire curtains and smoke curtains
2. welded blankets, curtains and etc
3. heat preservation and used in the production of heat insulation glove
4. equipment protection of high temperature and corrosion

Neoprene Coated Fiberglass Fabric

**Application:** widely used to make oil resistant sealing component and it is always used as lay material on workbench and floor which in oil environment. In electronic or aging locale used as oil resistant material.

**Technical data:**
- Thickness: 0.1-1.5mm
- Width: 100cm,120cm,150mm,etc
- Color: black, yellow, green, blue and etc.
- Coating ways: single-side , double-side coated.
- Weight: 130g/m2-1700g/m2

Aluminum Coated Fiberglass Fabric

**Application:** Mainly used for reflectible shields, exhaust insulation protective clothing, fire wall barriers and so on.

**Technical data:**
- AL3732, 0.43mm thickness, coated with aluminum , twill, 430g/m2
- We have two kinds: without adhesive and adhesive.
● Fire Blanket/Welding Blanket

Fire blanket are weaved with insulated and heat-resistant fiberglass yarn. We have reinforcement type, coating type and composite type etc.,.

**Characteristics:**
Fire-proof, high temperature resistant, soft fabric, smooth, no harm to skin and can effectively cover and isolate all kinds of fire source to put out fire and prevent the spread of fire. For small fire, fire blanket is more convenient and easy to use, comparing with fire extinguisher, and will not bring second time pollution.

**Specification**
1000mm×1000mm, 1000mm×1200mm, 1200mm×1200mm, 1200mm×1500mm, 1200mm×1800mm, 1800mm×1800mm

**Certificate:** EN1869:1997 and AS/NZS 3504.

**Package:** Red PVC box or PVC bag or pack in roll.

**Application:** suitable for the place easy to get on fire such as kitchen, hotel, entertainment venue and gas station etc. This product is used to stop the fire from spreading and protecting.

**Usage:** Put the fire blanket on the fire source at the beginning of being on fire, the fire can be put out in short time.

**Welding blanket**

Fireproofing welding blanket is suitable to use in the occasion with flame and easy to get on fire, it can keep out flame splashing, dissolve dregs, welding splashing solid to insulate fire danger which happen in the working place or jointing place; at the same time, it can help to establish a safe, clean and criterion working environment.

It is an ideal preserving facility which suitable for fire protecting organization; even when using fire to do such construction as welding and cutting in public entertainment place like supermarket, hotel, which can directly reduce sparkle splashing and play the role of preventing and obstructing flammable or explosive dangers to insure human life security and intact assets.

It can be be widely used in shipping industry for ship-frame structure and repair, and also in petrol chemical industry for heatproof and insulation of metal structure or welding. It puts up excellent protecting adaptability.
- **Fiberglass insulating sleeve**

  include: 1) PVC fiberglass sleeve 2) Silicone fiberglass sleeve 3) Silicone rubber fiberglass sleeve 4) Acrylic fiberglass sleeve

  **PVC fiberglass sleeve** is fiberglass sleeve coated with PVC resin, with very good flexibility and dielectric features, it is widely used as insulating and protection material for motor and electric appliance.

  Specifications:
  - Diameter: 0.5mm-40mm
  - Breakdown voltage: 1.5KV, 2.5KV, 4KV, 7KV
  - Temperature range: -25 ℃ ~ 130 ℃
  - Color: blue line, red line, green line and so on.

  **Silicone fiberglass sleeve:** is twisted with non-alkali fiberglass yarn and coated with special silicone resin under high temperature, with good dielectric, self-extinguish, which is widely used for class H electrical machinery, electrical appliance, heating equipments etc.

  Specifications:
  - Diameter: 0.5mm-30mm
  - Breakdown voltage: 1.5KV, 2.5KV, 4KV, 7KV
  - Temperature range: -60 ℃ ~ 250 ℃
  - Color: white, red, black, yellow and so on.

  **Silicone rubber fiberglass sleeve** is made of high quality silicone rubber with scientific prescription processing and advanced technics.

  Specifications:
  - Diameter: 1mm-30mm
  - Breakdown voltage: 1.5KV, 2.5KV, 4KV, 7KV
  - Temperature range: -70 ℃ ~ 260 ℃
  - Color: natural, white, red, black, yellow and so on.

  **Acrylic fiberglass sleeve** is made of non-alkali fiberglass with acrylic resin coating, it has reliable heat resistance, widely used as wiring insulation for motors, electrical appliance and so on.

  Specifications:
  - Diameter: 0.5mm-30mm
  - Breakdown voltage: 1.5KV, 2.5KV, 4KV, 7KV
  - Temperature range: -20 ℃ ~ 105 ℃
  - Color: natural, white, red, black, yellow and so on.
**Middle East Fiberglass Factory**

CNBM fiberglass factory in Dubai UAE named “Middle East Fiberglass Factory” was located in Jebel Ali Free Zone. The company registered in the year of 2012, mainly produces the Coated Alkali-Resistant fiberglass mesh cloth. It makes full use of the free policy in Dubai and the convenient geographic location. There is no anti-damping policy for EU (European Union) customer who import the fiberglass product from Dubai, and we’d like to provide the competitive prices. In the business philosophy of “Customers are always the most important and we will serve them and develop the market with high quality products” and tenet of “Customer Satisfaction”, the company wishes to cooperate with national and international customers for a brilliant future in fiberglass industry.

We have 5000 m2 warehouse in Dubai, which can put 10*40HQ, we can delivery the goods to you in the shortest time.

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