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Foshan production base:

Foshan Sanle Building Materials Industry Co.,Ltd.

Address: Area B, Hegui Industrial Park, Heshun, Lishui Town, Nanhai District, Foshan City, Guangdong Province

Zhaoqing production base:

Zhaoqing Sanle Integrated Housing Manufacturing Co.,Ltd.

Address: 9 Baoying Road, High-tech Industrial Development Zone, Zhaoqing City, Guangdong Province

Yunnan production base:

Yimen Sanle Technological Board Manufacturing Co.,Ltd.

Address: Maizitian Area, Yimen Industrial Park, Longquan Street, Yimen Town, Yuxi City, Yunnan Province

Hebei production base:

Weixian Kaifeng Construction Board Technology Co.,Ltd.

Address: 7 Industrial Development Zone, Weixian, Xingtai City, Hebei Province



Official Website



Alibaba Website
(Foshan)



Alibaba Website
(Zhaoqing)



FIBER CEMENT BOARD

2021 PRODUCT
CATALOGUE





Foshan production base



Zhaoqing production base



Yunnan production base



Hebei production base

28

28 years focus on construction industrialization

YEARS

- 1992 Sanle Roofing Tile Factory
- 1998 Beijing Sanle Building Materials Co., Ltd.
- 2005 Foshan Sanle Building Materials Industry Co., Ltd.
- 2006 Hebei Sanle Building Materials Industry Co., Ltd.
- 2013 Weixian Kaifeng Construction Board Technology Co.,Ltd
- 2016 Foshan Jujian Yifang Trading Co.,Ltd
- 2017 Zhaoqing Sanle Integrated Housing Co., Ltd.
- 2018 Zhaoqing Sanle Assembled Construction Industrial Park
Zhaoqing Sanle Equipment Manufacturing Co., Ltd.
Yimen Sanle Technological Board Manufacturing Co.,Ltd



About us

Sanle group is one of the Chinese largest building materials company group, enjoys the well-know SANLE brand at home and abroad. Our group was established in 1992, owns a stable assembly design R&D team and a national recognized Architectural design institute, committed to R&D and solving the application of the overall solution of prefabricated system for years. Nowadays, Sanle group obtains a number of patented products and technologies, has become a comprehensive group integrating technology development, interior decoration system integration, industrial production, channel sales and international trade. Our main products range includes fiber cement board, calcium silicate board, internal or external decorative fiber cement panel , fabricated honeycomb wall and light steel keel structure module. Sanle group also offers various prefabricated system, such as prefabricated ceiling system, prefabricated floor system, prefabricated partition wall system, fabricated honeycomb system and integral toilet system.

The headquarter of our Sanle group is located in the Foshan city, China. There are four production bases, which are respective in Foshan, Zhaoqing, Yunnan and Hebei. We are the national high-tech enterprise Our group covers 220,000 sqm factory area, with 800 workers and more than 15% R&D personnel. Sanle group is a national high-tech enterprise, an excellent project construction enterprise, also the base of production, education of research for assembly technology professional committee of Guangdong engineering survey and Design Industry Association.

The application of Sanle prefabricated building system is changing the traditional way of construction, leading the green development and circular economy, which provides a comfortable, healthy, safe and environmentally friendly living environment for human beings.

| | | | |
|---|--|--|--|
| 4+ four production bases | 20+ 20 years production and R&D experience | 100% 100% of the products meet national standards | 200+ mutli 200 meters fully automatic production lines |
| 500+ total over 500 mu factory area | 800+ more than 800 workers | 15000000+ annual production capacity of 15 million m ² wall panel | 65000000+ over 650 million RMB fixed assets |





Enterprise
honor



2017

Obtained the certificate of safety production standardization of level 3 enterprise



2018

Won the title of high-tech enterprise

Awarded as the outstanding enterprise of project construction in 2017

Obtained an invention patent certificate of environmental protection plate device

Awarded as the executive vice president unit of Guangdong Prefabricated Building Branch

The high density green environmental protection A-class fire board products have been identified as high-tech products in Guangdong Province

The lightweight and high strength non-asbestos fiber cement board products were recognized as high-tech products in Guangdong Province



2019

Rated as the member of the first council of China Insulation and Energy-saving Materials Association "Integrated Panel Branch"

won the title of Prefabricated Building Brand Enterprise at the 2019 CIPCI China Internet + Prefabricated Building Entrepreneurship and Innovation Conference

Rated as Guangdong Province Engineering Survey and Design Industry Association Assembly Technology Professional Committee production, education and research base Obtained a fire insulation calcium silicate board to obtain utility model patent certificate

Obtained a moisture-proof calcium silicate board utility model patent certificate

Obtained a sound insulation calcium silicate board utility model patent certificate

Obtained a multi-layer composite calcium silicate board utility model patent certificate

Won the second session of China Association of Concrete and Cement Products Calcium Silicate Cement Board Branch Council vice president unit certificate



2020

Obtained the quality management system certification

Obtained the environmental management system certification

Obtained the occupation management system certification certificate

Won the first prize for the key technology innovation practice and standard establishment of prefabricated steel-concrete composite structure

Won the second prize for the research of the new lightweight aluminum honeycomb core wall

Won the second prize for the research of the new lightweight aluminum honeycomb core conforming wall

Obtained the plug-in (honeycomb calcium silicate panel wall) design patent certificate

Obtained the design patent certificate of dry-hanging fastening card (wall body calcium silicate decorative panel)

Obtained the design patent certificate of Coupler (aluminum honeycomb composite wall) Obtained the design patent certificate of closure piece (aluminum honeycomb composite wall)

Obtained the design patent certificate of vertical main keel (honeycomb calcium silicate panel wall)

Obtained the design patent certificate of main keel connector (aluminum honeycomb composite wall)

FIBER CEMENT BOARD

Sanle fiber cement board is a new type of green environmental protection board with excellent performance for building and industry. It is an ideal decorative slab for exterior wall, partition wall and floor with excellent fireproof, moisture-proof, soundproof, insect-resistant and durable features.



Its main raw materials are high-purity quartz powder, high-grade cement, high-purity slaked lime, plant fiber and other minerals. According to a certain proportion of raw materials, the board is made through hatschek or flow slurry production technology, molding and autoclaved curing processes.

Sanle fiber cement board meets the national standard. There are middle and high density. Each process is strictly controlled to ensure that we can provide our customers with high quality products.



Specification

| Thickness(mm) | Width(mm) | Length(mm) |
|--|-----------|------------|
| 4-30 | 1220 | 2440,3000 |
| REMARK: We can also supply other specification as the clien's specially requirement. | | |

Dimensional deviation

| Item(mm) | | Requirement(mm) |
|-----------|-------|-----------------|
| Thickness | ≤8 | ±0.3 |
| | 8-12 | ±0.5 |
| Width | ≤1220 | ±3 |
| | >1220 | ±4 |
| Length | ≤2400 | ±5 |
| | >2440 | ±8 |

Physical propertyies

| | | |
|----------------------|--------------------------|---------|
| Density | 1.2-1.6g/cm ³ | |
| Thermal conductivity | ≤0.29 W/(m.k) | |
| Water absorption | ≤28% | |
| Water contain | ≤10% | |
| Moisture movement | ≤0.25% | |
| Bending strength | oven dry | ≥16 Mpa |
| | saturation with water | ≥13 Mpa |
| Non-combustibility | class A | |

Product features



Fire insulation

Class A fire classification, low conductivity



Waterproof and moisture proof

In semi-open air and high temperature environment, it can still maintain stable performance without sinking or deformation.



Heat and sound insulation

Low thermal conductivity, good heat insulation performance



Light weight and high strength

Light weight material, high bending strength, can effectively increase the space of the house



Easy construction

Dry operation mode, keel with board installation and construction is simple, fast speed



Safe and harmless

Environment protection building material, the board will not burn and produce toxic smoke in fire



Long life

Acid and alkali resistance, corrosion resistance, and will not be damaged by moisture or insects and ants

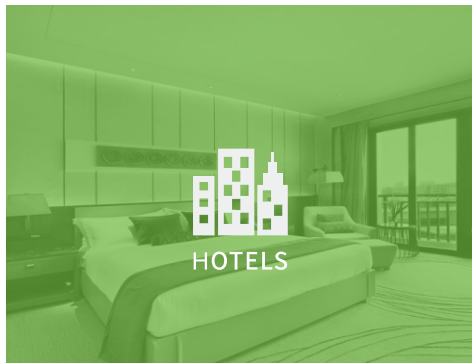


Excellent performance for second decoration

Can be with drilling, carving, brick nailing, finishing, pasting ceramic tile, wall cloth and other materials according to the actual situation

Product application

Sanle fiber cement board can be used for all kinds of ceiling, partition wall, exterior wall, floor, decorative wall board bottom panel and etc. It is widely used in offices, hotels, hospitals, factory buildings, schools, villas, theaters and various art buildings.



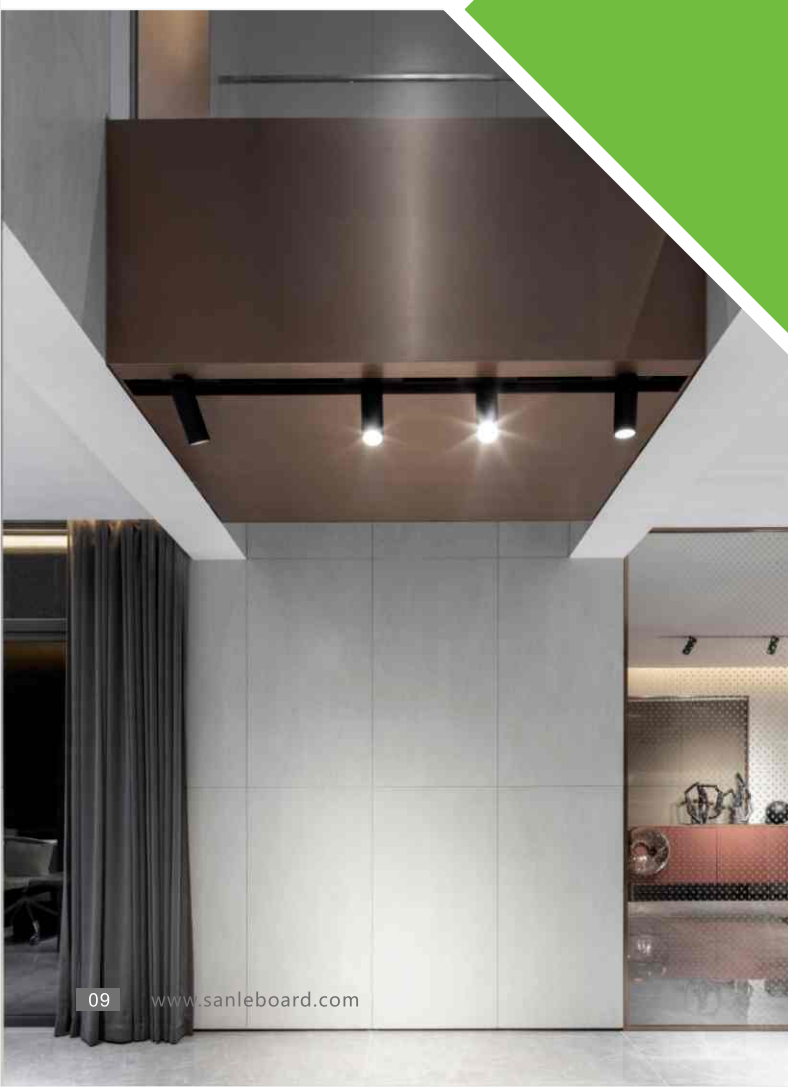
SANDING FIBER CEMENT BOARD

It is a kind of fiber cement board that surfaces with sanding treatment. Both middle density and high density fiber cement board can be with sanding treatment. Sanding mesh can be customized, from 40 mesh to 150 mesh. It is used as the basal plate of decorative board.



POLISHING FIBER CEMENT BOARD

It is a kind of fiber cement board that surfaces with polishing treatment. After polishing treatment, the board surface is smooth and with beautiful texture appearance. It can be used as the decorative board in interior and exterior wall directly.





DARK GREY FIBER CEMENT BOARD

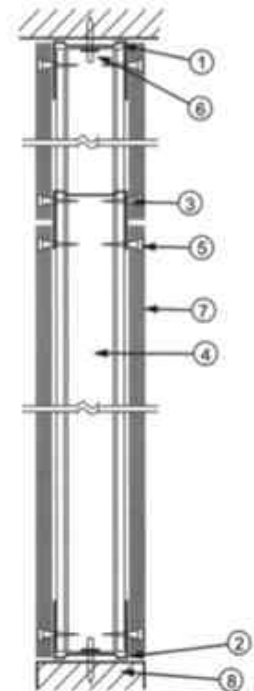
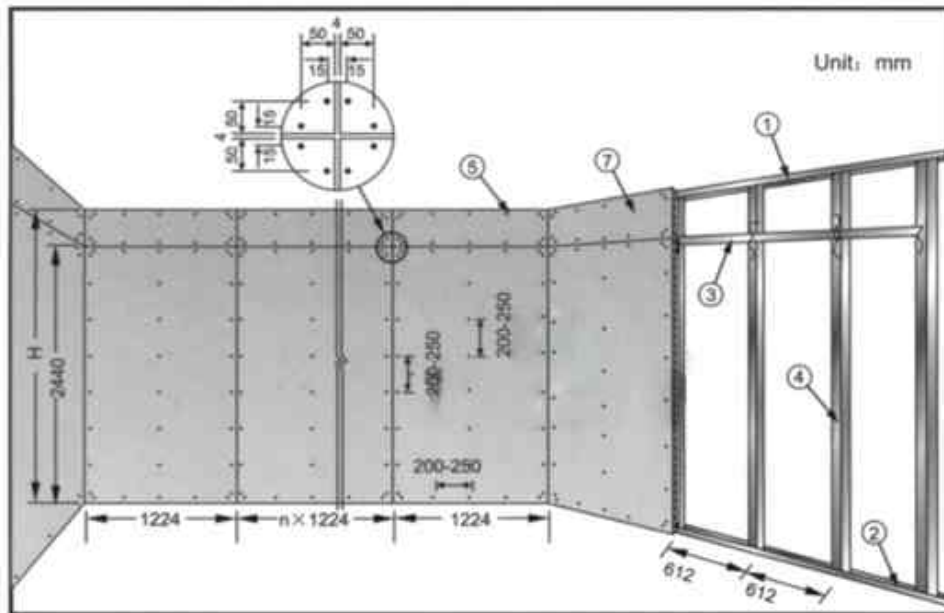
It is a kind of fiber cement board that the entire body is dark grey. It is high strength, low water absorption, excellent weather resistance features. Even though the board surface is attrited during the using, it will not influence on its sustained use and appearance effect. It is widely use in exterior wall decoration.



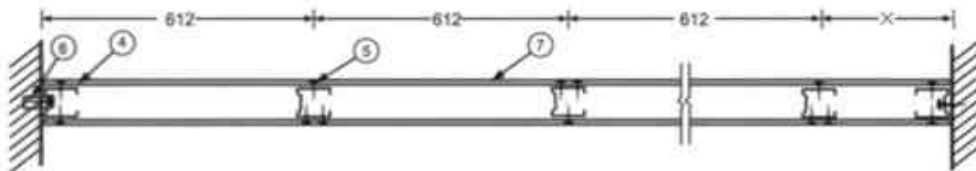
FIBER CEMENT BOARD FOR FLOORING

It is a kind of high density fiber cement board that with thick thickness. It is the preferred material for LOFT structural floor panels with high strength, excellent bearing capacity and low coefficient of deformation features. The regular thickness is 15mm, 18mm, 20mm and 24mm.

Partition Wall Installation

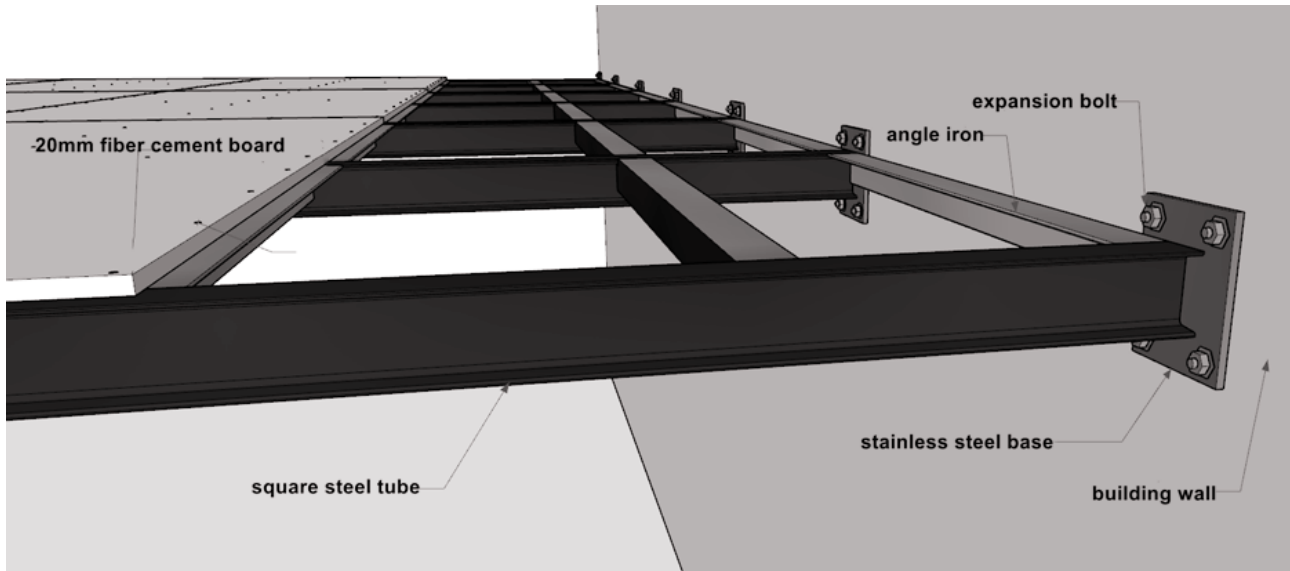


1. Top Track; 2. Floor Track; 3. Horizontal Keel; 4. Metal Studs; 5. Tapping Screw;
6. Expansion Bolt; 7. Sanle Board; 8. Concrete Skirting Board



1. The top and bottom keels are fixed respectively top floor and on floor with expansion bolts.
2. The vertical keel should be aligned well according to the requirement (generally being 612 mm with laterally supporting keel installed).
3. Cutting the board material to the dimensions needed (about 10mm lower than wall height)
4. Board material is fixed on keel in anchoring seam way with tapping screw: the interval of tapping screw is generally about 200~250mm with screws sinking 0.5mm under the board face.
5. The expansion seam of about 4mm between boards should be kept.
6. The shrouding should be fixed from the middle to the four sides and cannot be operated at multipoint simultaneously to avoid generating inner stress to make board material bucking.
7. Before board being packag.

Floor Board Installation



Selection of steel structure keel:

1. The span is within 8m: 15H steel for the main beam, #10 channel beam and #63 angle iron for the secondary beam.
2. No embedded parts shall be fixed with expansion bolts.
3. Abundant space can be used upper and lower beam structure, space is not enough can be used plane structure.

Steel structure welding requirements: There are must be at least three sides of the welding, the top surface can not be welded.

Floor board Installation:

1. Before laying the boards, the welding seam on the top surface must be polished flat and the welding spatter must be cleared away.
2. The longitudinal direction of the boards should be parallel to the main beam.
3. Any edge of the board shall not be suspended.
4. A gap of 3-5mm must be left between the boards.
5. The joint between the boards should be located in the center of the beam.

Nailing requirements:

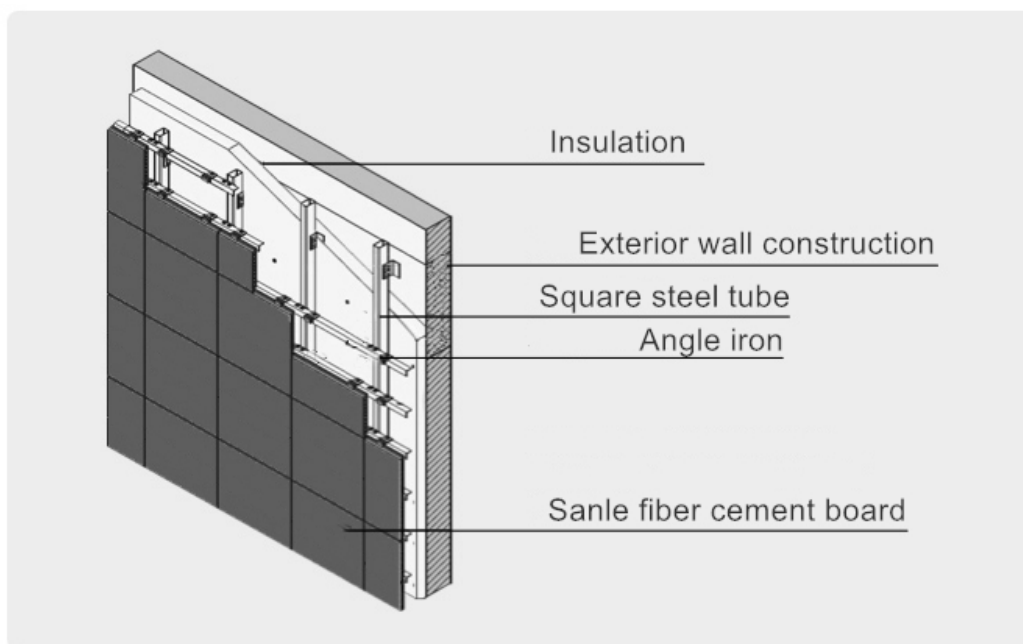
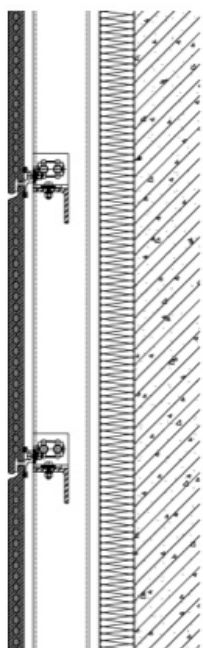
1. Selecting the countersunk head tapping screw, with size of M5*45mm, nailing on the vice-keel (Angle iron).
2. Drill first and then nail, nail hole should be bigger than the diameter of the nail.
3. Nailing starts from the center of the board, and then hits outwards, and finally hits the side nails.
4. The nailing position of the side nail should be about 20mm from the edge of the board.
5. The nail distance is 300-600mm.

Treatment of the joint: the joint can be injected with silicone sealant, or mortar can be used.

Follow-up processing:

1. Brushing waterproof coating, and then directly use.
2. Laying wood floor
3. Laying ceramic tiles

Exterior Wall Installation



1. Fiber cement board preparation: according to the size and design requirements, installing the supporting aluminum accessories(six aluminium accessories per sheet) on the back of fiber cement board (maximum cross section size is 2780 * 1220 mm). Making cross line according to the vertical distance (600 mm) between the transverse keels and length of fiber cement board uniform size, then fixing supporting aluminum fasteners at the intersection,using 10 mm long and 4 mm thick stainless steel screws.
2. Construction wall preparation: cleaning up the wall surface, and then marking out the position lines and partition lines of the steels according to the design drawings and actual needs.
3. Wire hanging: vertical wire hanging should use the $\phi 1.0$ - $\phi 1.2$ size steel wire, with 8-10 kgs weight lower counterweight iron, and the upper end is hung on the special wire hanging Angle iron frame. The angle iron frames are fixed on the top corners of the wall with expansion bolts, and marking on the top and bottom of the control line.
4. Keel installation: first fixing 50×50×4 angle iron (with adjustable hole) on the structural surface with $\phi 8$ expansion bolt, that horizontal distance between the angle iron and the 50×50×3.5 vertical square steel tube on the angle steel is 800mm. When installing the vertical square steel tube, it must be checked by hanging steel wire from top to bottom to detect its Perpendicularity. After that, installing the fastening angle iron and the transverse aluminum keel (with 600mm spacing). The connection between angle iron, square steel tube and transverse keel is made with $\phi 10$ bolts. Last, using the infrared level meter to detect whether the horizontal aluminum keel is horizontal, and the steel line to detect whether it is vertical.

5. Fiber cement board installation: mounting the advance processing board on the keel according to the design drawings, and using aluminum accessories to connect the panel and keel. Hanging lightly the same level layer fiber cement boards on the keel, and then adjusting the horizontal and vertical degree of board through upper and lower steel wires. After that, checking the boards seam, whose width should be uniform according to the requirements of design. Last, tightening the stainless steel screws (20mm long and 6mm thick) on the complete set of aluminum accessories.

6. Board joint treatment: using the fiber cement board powder mixing glue to fill the seam, and then painting with special coating twice. When filling the gap, it is necessary to pay attention to the uniform and full filling.



Sales coverage regions

