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Professional Supplier of Roofing Materials

San-gobuild

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Brand Introduction

The two-zig-zag-symbol in San-gobuild logo, means the strength of teamwork and spirit of cooperation.

The logo of San-gobuild looks like a pair of shoes. It carries out our belief that “a thousand miles journey begins with one step”.

San-gobuild’s product in simple modern style, reflects the spirit of contemporary era, full of openness and creativeness.



【SGB-Roof Your Home, Build Your Dream】

Company Profile

Brand Advantage

SANGOBUILD is a new technology intensive enterprise, integrated with scientific research, production, design and sales; concentrates on technology, quality and service. Through years of practice and effort, we have been in the leading position on the product technology, guiding the development direction of stone coated roofing tiles industry. SANGOBUILD, as a famous brand in the field, represents the science, technology, quality, service and reliability.

Quality Advantage

SANGOBUILD is the first company among the stone coated roofing tile field who pass the ISO9001:2008 Quality Management System and ISO14001:2004 Environment Management System. Our company has very strict management system, and executes to the whole company. In addition, we have very specific quality policies, and set the quality centre, thus we can have an overall management on the quality information sharing, guidance and supervising. The name of SANGOBUILD is the guarantee of quality.

Systematic Advantage

We produce the whole series of roofing system materials with the most professional construction team, providing customers with the most systematized service. You will enjoy the one-stop service in our company, from the tender design, materials choosing, cost measurement, construction to technical guidance and the follow-up services.

Channel Advantage

SANGOBUILD, as a leading manufacturer of roofing materials, its market and service have been spread all over China. Our company took the lead in importing the CIS System, to improve the information of region sales and service, which makes the users' interaction more convenient, better for us to get direct feedback from them, to set up a very good reputation and greatly improve the users' satisfaction and loyalty.

Competitiveness Advantage

On the premise of large scale production, our company relies on the most international advanced technology and equipment, supported by technology innovation & development, with our own import and export operation rights, fully integrating global sources, winning a very high cost-effectiveness in the market. "Same quality lowest price, same price best quality" is our vision and goal.

Professional Roofing System Manufacturer







One Stop Solution

USE SANGOBUILD, COLOR YOUR ROOF, LIGHT YOUR LIFE



Stone coated metal roofing tile is a kind of new concept of roofing materials that is sprayed with beautiful basalt sintered particles on a Alu-zinc alloy coated steel plate that has been treated with multiple protective films.

Stone coated metal roofing tile uses alu-zinc alloy steel with multiple protective films as the substrate, pressed under the mould with well-developed technology, combining with colorful basalt granulars as the surface, to become the best roofing tile materials.

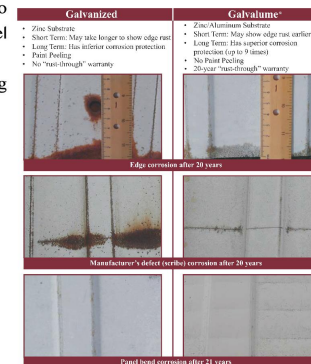
High technic stone coated metal roofing tile combines multiple protective films galvalume steel, which contains 55% of aluminum, together with acrylic base layer, basalt granulars layer, and also acrylic top layer, to become one multiple layers of roofing tile. It makes up the defects of other roofing materials such as PPGI sheet etc. Because of its long life, beautiful appearance, excellent durability, conveniently installed, environment-friendly, economic, and easy overlapping construction as well, stone coated metal roofing tiles enjoy great popularity worldwide.



- All San-gobuild® roof products are manufactured from galvalume steel which have shown in tests to last 6-9 times longer than ordinary galvanised steel roofing products.

- San-gobuild Stone Coated Galvalume Steel Roofing Products Offer 50 Years Warranty!!!

- Anti-algae



- All San-gobuild® roof tiles are coated with natural stone chips, volcanically formed and taken from quarries in French. These coatings add natural beauty to the roof and a hard layer of protection from the weather. Being of natural stone, the vibrant colour is protected against the extreme UV of the African sun and will never change.

- 100% fadeless



Excellent Roof Should Be Looked Like This



See The Fade Color Roof, Not Good Look Actually

- San-gobuild® Acrylic resin glue has strong sticky strength and good weather-resistance after cohere. Use the acrylic resin super glue will make the stone granule stick firmly on the aluminum zinc steel plate.



San-gobuild: Very Natural Color And Good Looking



Fake Glue Make Tile Bad Looking

Product Characteristics



■ Long Life Support

San-gobuild metal roofing tile is not only making up the defects of other materials roofing tiles, but also improves the roofing material's ability to adapt to temperature changes, prevents water leakage and corrosion, thus becoming one of the materials that guarantee long-term roof-life.

● Structure of stone coated roofing tile

■ Acrylic resin layer

The clear acrylic resin layer increases the bonding strength between stone chips and the steel plate. It also prevents rain leakage.

■ Colored stone granules

Prevents UV radiation, protects steel plate, reduces rainwater noise and beautiful appearance.

■ Base Coating

Bonds the upper and lower layers.

■ Protective films

Protects the steel plate and improves corrosion resistance.

■ Alu-zinc alloy steel plate

AL-ZN AL-ZN extends the life of the plate, improves corrosion resistance, and brings remarkable results.

Steelplate High-strength steel.

AL-ZN AL-ZN extends the life of the plate, improves corrosion resistance, and brings remarkable results.

■ Protective films

Protects the steel plate and improves corrosion resistance.

● Characteristics of galvalume steel

1 Comparing with galvanized steel, galvalume steel has strong durability and long life.

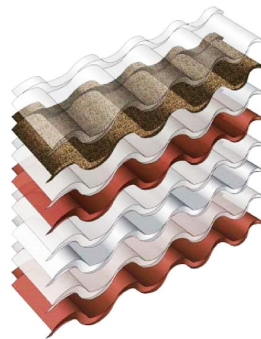
2 Good heat resistance.

3 Good heat reflectivity.

4 Beautiful silver white or clear green surface.

5 It has same process ability and coating properties with galvanized steel.

6 Easy to weld.



■ Strong Durability



■ Amazing Economic

Because of its lightweight, big size and easy installation, it generally takes 3-5 days for 2 workers to finish all the installation of metal roofing tiles of a common residence and the related fees of logistics, transportation and installation can be greatly reduced, which means superior performance and low installation fee can bring you amazing economic benefits.



■ Light Roofing Materials

San-gobuild stone coated roofing tile is only one sixths of the traditional tile or cement tile's weight, thus it's easy to transport, store and convenient to install, which saves the construction costs.



■ Scientific Construction

Compared with traditional tiles, the scientific and reasonable design of metal roofing tiles makes it more convenient to install and its better cohesion and adhesion performance make it difficult to separate from the roofs under storm.



■ Beautiful Appearance

The roof is one of the key points for the overall beauty of a building. The beautiful colors of the sintered stones and the noble design of San-gobuild stone coated roofing tiles fit together in any buildings, making the building more stylish and tasteful.

Classical Tile

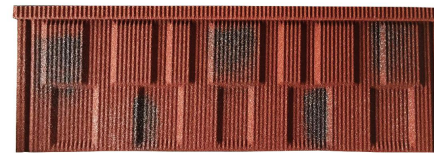
A roofing system that re-defines the definition of good roof.



Tile Size	1340mm*420mm
Installed Exposure	1290mm*380mm
Coverage Area	0.5m ²
The number of pavement	2pcs/m ²
Weight	2.8kg/pc

Shingle Tile

You will never believe the spectacular view created by those lines and square lattices.



Tile Size	1340mm*420mm
Installed Exposure	1290mm*370mm
Coverage Area	0.48m ²
The number of pavement	2.08pcs/m ²
Weight	3.0kg/pc



Makuti Grained Tile

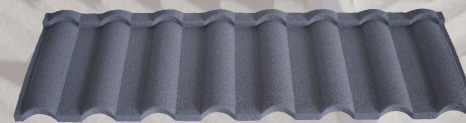
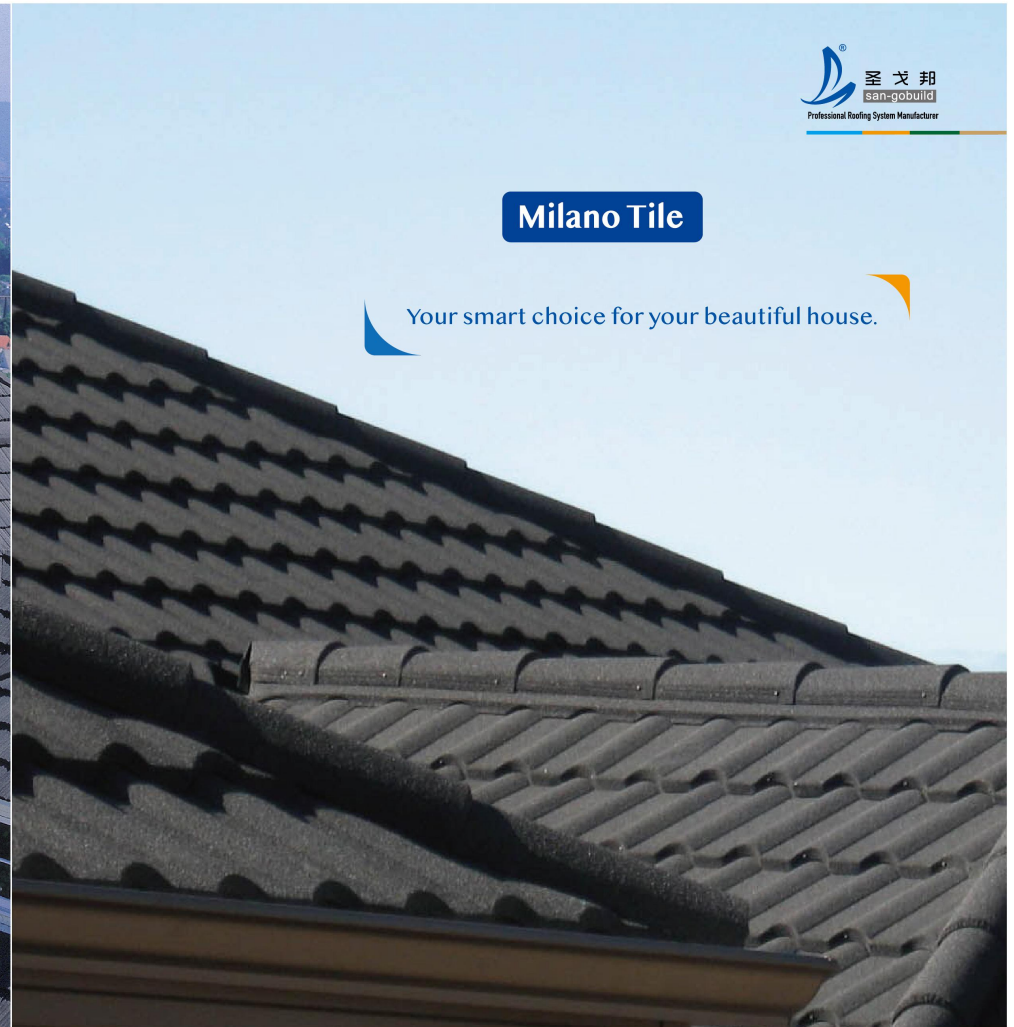
Better Roof! Better Home! Strong against nature!



Tile Size	1340mm*420mm
Installed Exposure	1290mm*370mm
Coverage Area	0.48m ²
The number of pavement	2.08pcs/m ²
Weight	2.8kg/pc

Milano Tile

Your smart choice for your beautiful house.



Tile Size	1340mm*420mm
Installed Exposure	1290mm*370mm
Coverage Area	0.48m ²
The number of pavement	2.08pcs/m ²
Weight	2.8kg/pc

Rainbow Tile

Without rain, you can still enjoy the beauty of the rainbow.

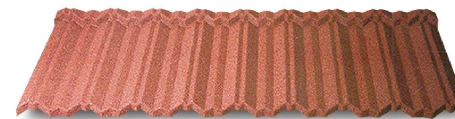


Tile Size	1300mm*420mm
Installed Exposure	1250mm*370mm
Coverage Area	0.46m ²
The number of pavement	2.16pcs/m ²
Weight	2.8kg/pc



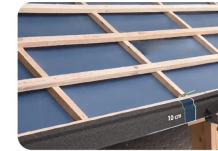
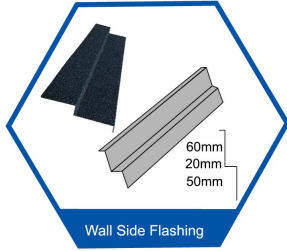
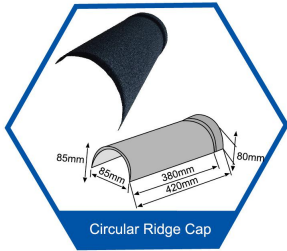
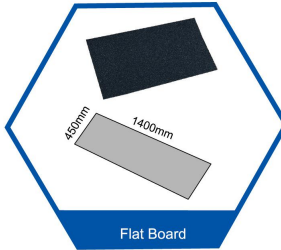
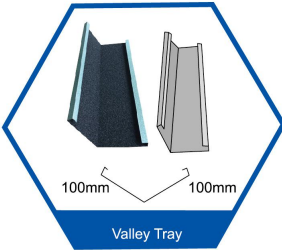
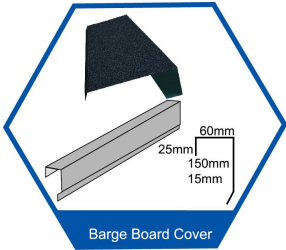
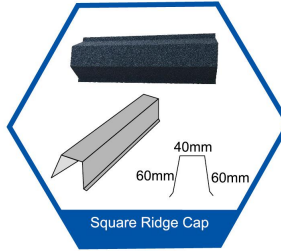
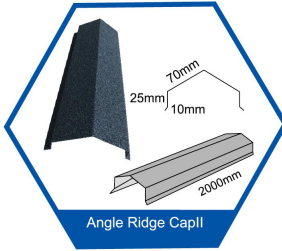
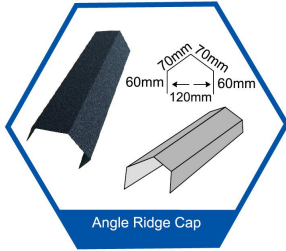
Modern Classical Tile

With <Modern Classical Tile>, you will enjoy the beauty of your roof for the rest of your life!



Tile Size	1340mm*420mm
Installed Exposure	1290mm*370mm
Coverage Area	0.48m ²
The number of pavement	2.08pcs/m ²
Weight	2.8kg/pc

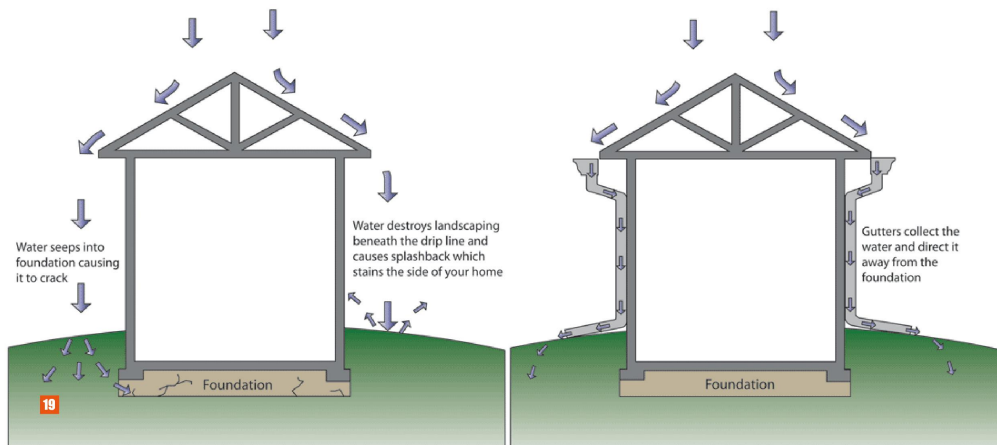
Accessories





K-Type Drainage System Introduction

Rain gutters protect your home from foundation problems, staining of masonry and siding, damage to landscaping and more. Uneven saturation of the soil around your home's foundation can cause the soil to heave as it expands and contracts. Heaving is a leading cause of foundation failure. In areas with loose soil, the runoff from a rainstorm can literally wash away the soil around your home exposing the foundation. Read on for more ways gutters protect your home.



Keep basements, crawl spaces, and garages dry and free of conditions that support mold and wood fungi growth by controlling roof drainage.

MOISTURE CONTROL



Water migration may cause rotting and insects that can be costly to repair. Quickly moving water away from rafter and roof joints is essential to a home's long term durability.

PROTECT FASCIA



Limit the movement of active zone soils underneath the foundation by reducing the amount of water that enters at the foundation wall.

FOUNDATION PROTECTION



Rain gutters keep siding and masonry looking new by preventing splash back of dirt, grass, and minerals that stain the exterior and can be difficult to remove over time.

PREVENT SPLASH BACK



Top soil around the foundation is the weakest link in foundation moisture control. Preventing topsoil erosion can help prevent future structural damage.

PROTECT BACK-FILL



Rain gutters are not just functional but can accentuate the architecture of any home. Senox products are available in various styles, colors, and metals.

DECORATIVE DETAIL



Most durability issues arise from bulk water intrusion through windows and doors. Roof drainage will direct water away from sensitive areas.

SHIELD WINDOWS AND DOORS



Collecting rainwater is the simplest way to water your lawn, plants, and foundation all the while contributing to water conservation goals.

RAINWATER COLLECTION

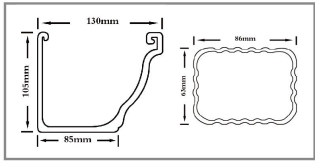


Standing water in flower beds around the home can permit harmful plant fungi to develop as well as attract ants, roaches, and termites.

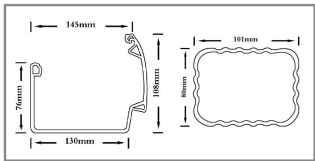
PROTECT PLANTS AND SHRUBS



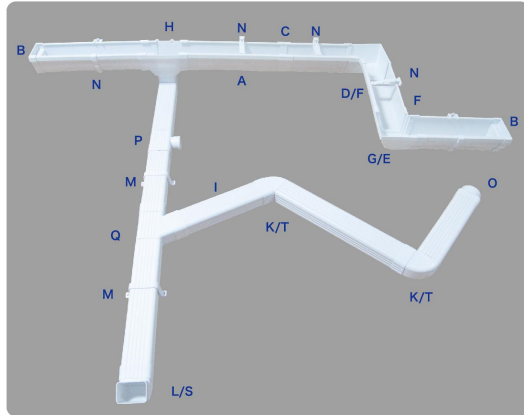
PVC Drainage System Introduction



5.2inch gutter and downspout



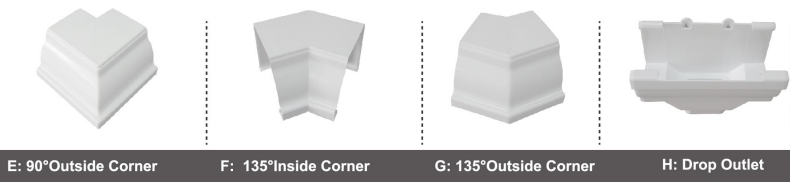
7inch gutter and downspout



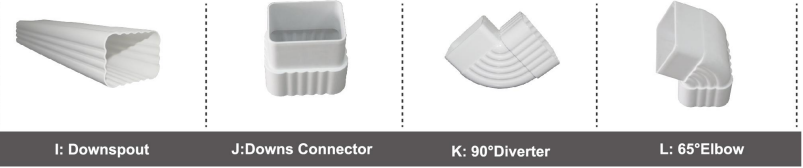
5.2Inch Rain Gutters Pictures



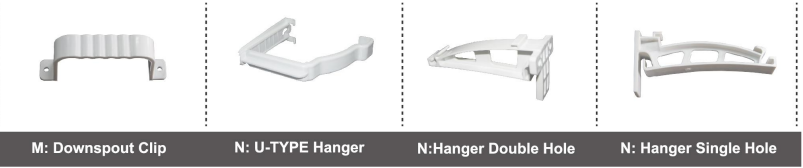
A: Gutter B: End Cap C: Gutter Joinder D: 90° Inside Corner



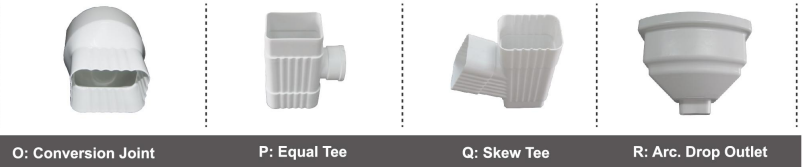
E: 90° Outside Corner F: 135° Inside Corner G: 135° Outside Corner H: Drop Outlet



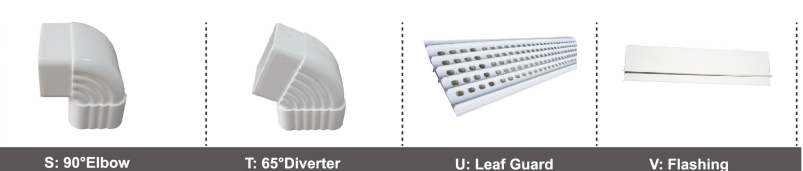
I: Downspout J: Downs Connector K: 90° Diverter L: 65° Elbow



M: Downspout Clip N: U-TYPE Hanger N: Hanger Double Hole N: Hanger Single Hole



O: Conversion Joint P: Equal Tee Q: Skew Tee R: Arc. Drop Outlet



S: 90° Elbow T: 65° Diverter U: Leaf Guard V: Flashing

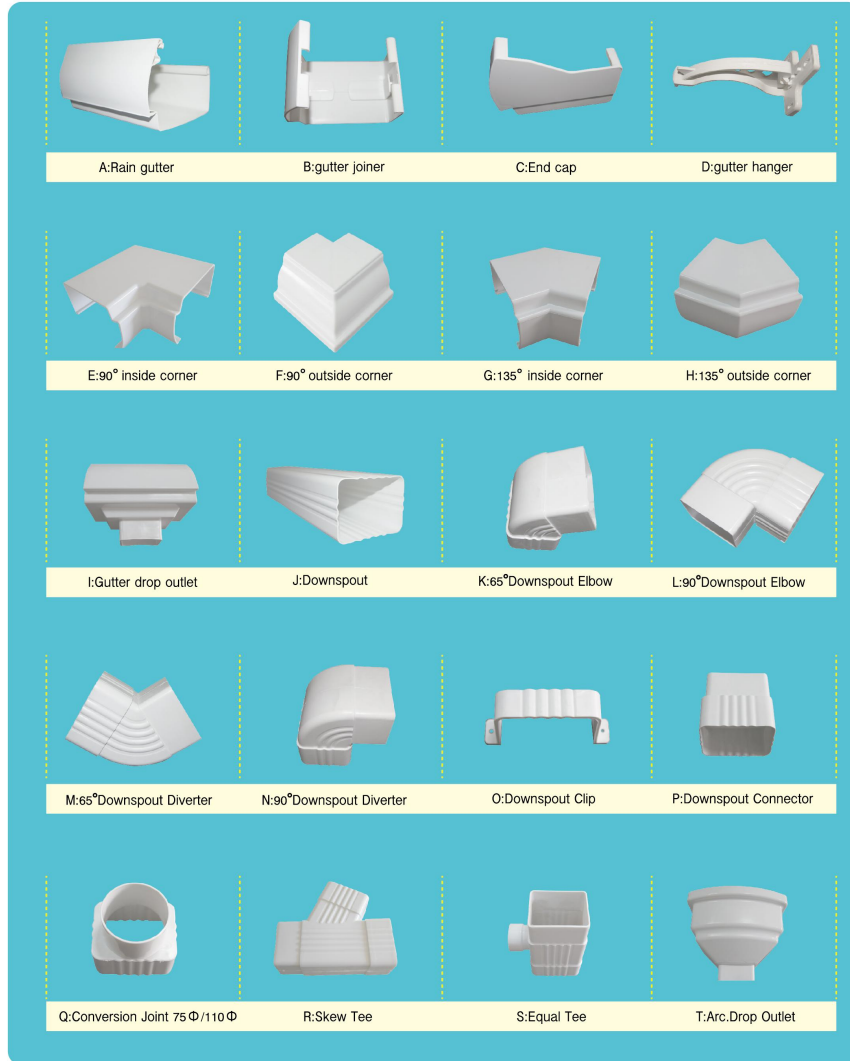
Color Choice



Dark Grey Black White Dark Brown Light Brown



7Inch Rain Gutters Pictures

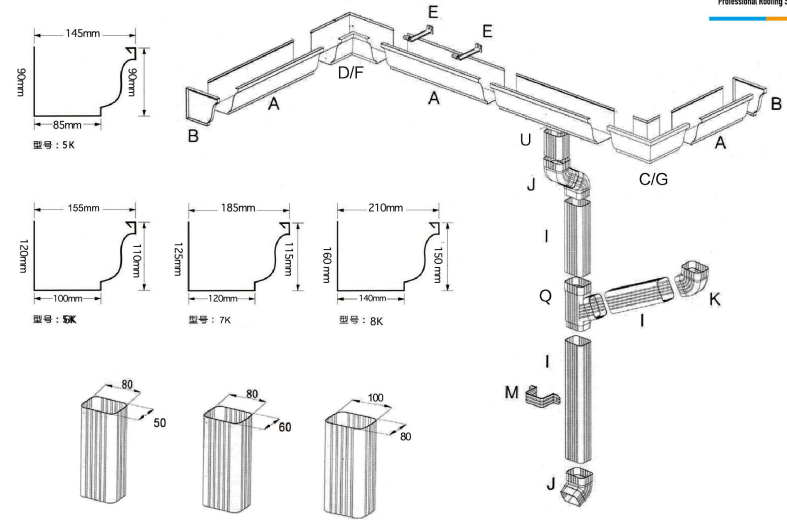


How to Protect Your Home from Rainwater Damage

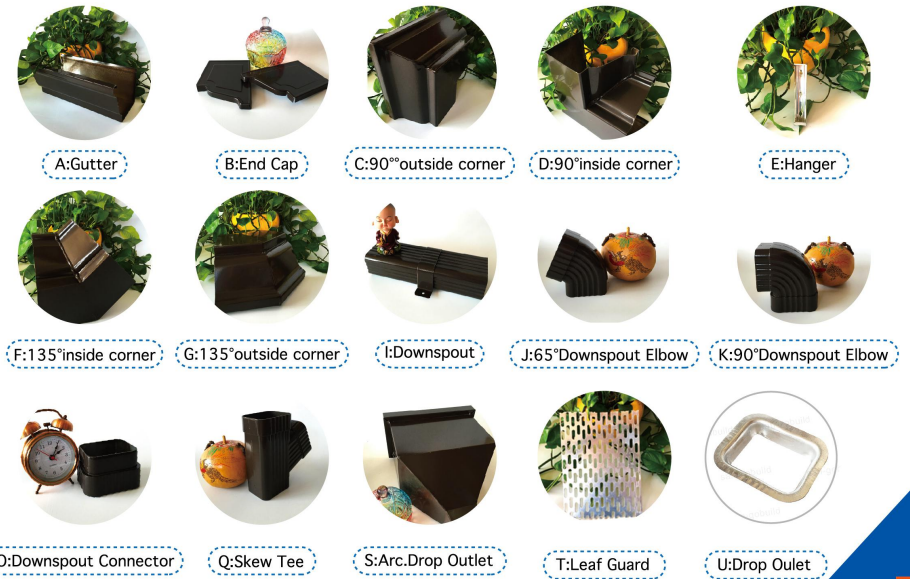
Few things are as stressful to homeowners as water damage. It can be a sinister, creeping issue that many don't discover until it has become a big, expensive problem.



At its worst, moisture has the potential to damage your home beyond affordable repair, with heavy structural consequences that include mold, wood rot, and even foundation cracks. If you're lucky, you'll catch it early and stop it before it spreads. But even small leaks that allow rainwater into the house can require major repairs to keep moisture at bay. The best way to deal with water damage is to stop it before it starts. Here are measures that you can take to prevent water from entering your home from outside.

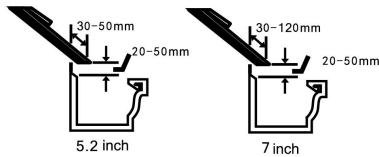
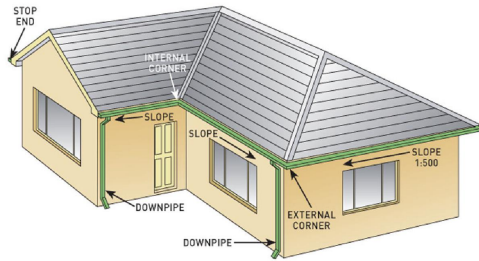


Colored Aluminum Drainage System Pictures



Properly handling the rainwater is essential for protecting your home's structure and keeping your home dry.

PVC Drainage System Installation Manual



Installation Notes

Note 1: the depth of the cement mortar in the cornice is less than 3cm, to ensure the nail-holding ability of the plastics bulge bolt in the gutter hanger.

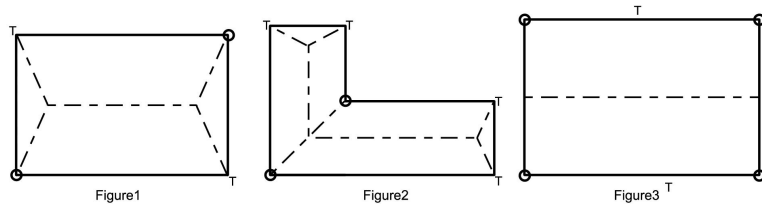
Note 2: The front of the roofing tile is exceed (5 feet) 30~50mm, (7 feet) 30mm~120mm of the inner gutter. The height from the inner gutter is between 20mm~50mm.

Note3: If roof cornice is not perpendicular to the ground, international pad (recliners) must be added between the cornice and gutter in order to ensure the gutter's class level.

Note 4: Downpipes try not to climb the waistline to ensure the smooth drainage.

Note 5: It would be better to install the balcony drainage pipes separately. Air condition condensation water can be linked to the downspout with the connection of the Equal Tee or Skew Tee.

PVC Drainage System Catchment Calculation and Downspouts Location



Note 1: "o" is the position of the downspouts, "T" is the top point of the gutter, Dashed line is the ridge.

Note 2: Install drop outlet (rain strainer) according to the construction drawing design requirements.

Note 3: Downpipes try not to climb the waistline to ensure the smooth drainage.

Note4: It would be better to install the balcony drainage pipes separately. Air condition condensation water can be linked to the downspout with the connection of the Equal Tee or Skew Tee.

Installation time

Install gutter after the roof tile installation and eave mouth surface coating are completed and before the falseworks are dismantled, then install the downspouts according to the wall building progress.

Installation preparation

1. Installation tools of preparation: hacksaw, impact drill, glue gun and a neutral topical silicone rubber, stainless steel screws, screwdriver, expansion tube, gradienter, carpenter's ink marker.
2. Determine the location of the downspouts: Choose a reasonable position for the downspout position according to the roof shape, building outside elevation, and the position of the window factors etc.
3. Measuring the cornice length: measuring the length of the housing cement cornice.
4. PULL: Use gradienter to determine of the height of the cornices, then use the ink fountain PULL determine the hanger direction, try to make the drop outlet (rain strainer) at the micro-low location, both sides of the angle is slightly higher.
5. Connecting gutters : Cutting segmented gutter according to the total length of the cornice, gutters and the relevant accessories should be connected on the ground area.

Gutter

Gutter, also known as rain gutters, gutters, is used to collect the roof rain water into the water catchment trench.

1. To determine the gutter length

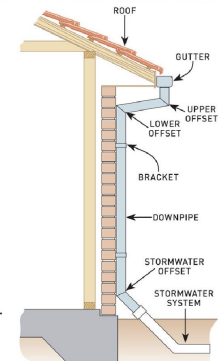
Measure the needed length to install the rain gutter equals to the sum length of the Routing.

When the cornice length is greater than the gutter, the gutter needs to be connected section by section.

The calculation of the rain gutter, each piece length is 3 m, if the cornice is more than 3 m, then it is the time to use a gutter joiner. If it is great than 6 m using two gutter joiner, and so on.

2. Draw the guide line

Fix ink line from one end of the cornice which is located in the forefront of roofing tile and down to about 20mm to 50mm. Pull and draw the guide line according to the water-drop direction declining 10mm per three meters.



Gutter Joiner

The Joiner is used in the gutters and the gutters junction(Figure 4). Before use it , the Joiner socket seam should store full waterproofing silica gel, then insert the gutter to the joiner socket seam.

Rain gutter

The calculation of the rain gutter, each piece length is 3 m, if the cornice is more than 3 m, then it is the time to use a gutter joiner. If it is great than 6 m using two gutter joiner, and so on.

90° Inside And Outside Corner, 135° Inside And Outside Corner

Used for cornices alignment of 90°, 135° corner, about the connection of outside corner and rain gutters, If the gutters come across 90° outside angle, each corner should increase a 90° outside corner, if the gutters meet 135° outside angle, each corner should add a 135° outside corner. Otherwise use the 90° or 135° inside corner.



90° 135° Inside or Outside Corner's Using And Installation

90° 135° inside or outside corner is used at level eaves corner (Figure 5, 6), the installation method is as same as the Joiner.

The End Cap's Using And Installation

End cap is used at the end of the gutters (Figure 7), the installation method is as same as the joiner and inside or outside corner. The number of the end cap is equal to the sum number of the starting sides and terminal sides of the rain gutters.



Figure 6



Figure 7

Gutter Hanger

A. Gutter hanger is used to fix gutter on the cornice (Figure 8), fix it in the gutter along the gutter end port and control a proper space between the hangers, generally not less than 50 cm.

B. At the joint of gutter and 30mm on both ends of corner should add gutter hanger in case of gutter joint hanging down.

C. Using 6mm drill to punch holes on the guide line according to the gutter hanger distance, hole depth > 50mm, then stuff the expansion bolt in the hole, finally use 4mm x 60mm stainless steel screw to fix the gutter which have already put gutter hanger device.

D. The usage number of the gutter hanger is that every 50cm of rain gutter should have a gutter hanger.

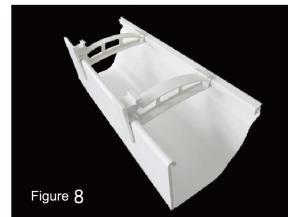


Figure 8

Note: If the cornice is solid wood structure, then needn't punch holes, just use the screw to fix the gutter in the cornice directly. The drop outlet (rain strainer) are used to concentrate drainage for the gutters. Before installation make a plughole on the gutter for the drop outlet, then equally coat some waterproof silicone at the inner wall of the both ends of the rain strainer.

Firstly the rain strainer's front button should buckle the the outer edge of the gutter, then pull the strainer upward and back, finally using the back button to buckle the inner edge of the gutter.

Leaf Guard

Leaf guard is used for covering the gutter (Figure 9), to prevent the falling leaves blocking the gutters. It is fixed on the gutter hanger, there are two small gaps at the both ends of hanger so that it can block the leaf guard on the hanger.

The amount of the Leaf Guard is equal to the length of the gutter.

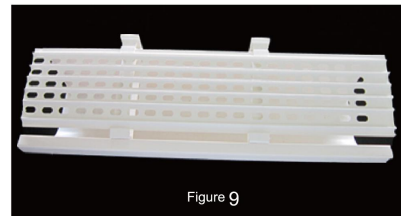


Figure 9

Drop Outlet

Drop Outlet is a component of guiding the water from gutter to downspout (figure 10), the first step is to determine the location. Put it on the eave and use gradienter to keep it straight. Before installation first to connect with an elbow.

Squeezing the elbow until it is built entirely on the drop outlet, then slide the rain gutters into the drop outlet and ensure that it can remove freely to reduce the impaction of the heating or cooling.

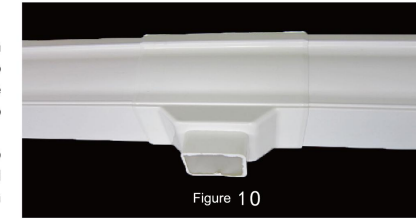


Figure 10

The calculation of Drop Outlet: every 8~12meters should install a drop outlet.

Downspout

Downspout, also named rainwater pipe, it is used to organize and guide rain water drain downward.

The Downspouts' Cutting and Installation

According to the location to calculate and cut the length of the downspout. The mouth of downspout should be well cut, clean up the rough seldedge, then connect the downspout following up the drop outlet, use Downspout Clip to fix the pipe on the wall. When encountering obstacles during the installation, it should use Elbow or Diverter to steer around these obstacles.

Set the clip quantity according to the length of downspouts, try to not more than 1.5m between the clip, if the downspout is also not more than 1.5m, it should also set two downspout clips.

The number of the downspout is the measurement of each drop outlet under the outlet location extended bending to floor minus 0.3 m, then the cumulative sum.

The Using and Installation of The 65° Elbow, 65° Diverter, Downspout Connector, and Conversion Joint.

Elbow is used for forward and backward diversion for the downspout (figure 11). Diverter is used for left and right diversion. Downspout Connector is used for the downpipe connection (figure 11). During the process of the installation, the bigger side of bell and spigot on the Elbow, Diverter, Downspout Connector should be against the water flow direction, the downspout should insert into the elbow and diverter according to the water flow direction, the smaller side of the connector should insert into the downspout, then use 4mm x 30mm stainless steel screws to fix the joint part between the downspout and elbow (figure 11).

Note: Each accessories should equally coat with waterproof silicone in the joint part.

The number of 65° Elbow, Connector, Diverter should be estimated according to actual building structure.

The number of the Elbow: One drop outlet should have 3 elbows, if have waistline should add another 4 elbows.

The number of the Connector Diverter is the double of the balcony.

The number of Connector is the number of the downspout which longer than 3.



Figure 11

Downspout Clip

Downspout Clip is used for fixing downspout on the wall (Figure 12). According to the water-dropping slots direction, using line fall to keep the downspout vertical, and determining the location for the downspout clips, the biggest space between the clips should not more than 1500mm.

Downspout pipe is 3 meters per piece, set a downspout clip each 100m, then set another clips and follow to the end of the downspout.

In the corresponding position on the wall drill holes with 6mm diameter and not less than 40mm depth, slip the plastics bulge bolt into the hole, and then use 4mm×60mm stainless steel screw to fix the downspout clip, if the walls have insulating layer, it must use extended expansion bolt to ensure that the full expansion of the expansion bolt fixation.

The calculation of the downspout clip : every 1 ~ 1.5 meters should install a Downspout Clip.

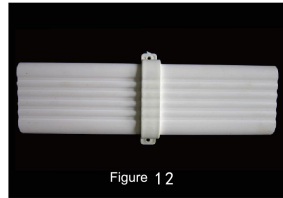


Figure 12

Equal Tee and Skew Tee's Usage and Installation

Equal tee and skew tee are used for the balcony and the condensate water drop to the downpipe (figure 13), the installation is the same as the elbow. the diameter of the skew tee should match the rain water pipe to incline against the direction of water current.

Diameter of skew tee: 50mm (for 5.2inch), 75mm (for 7inch)

Conversion Joint is used for the conversion of round pipe to square pipe or square pipe to round pipe. It need downspout connector to joint together, the installation method is same as the downspout connector.

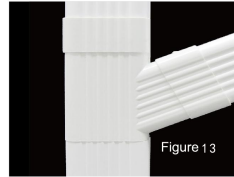
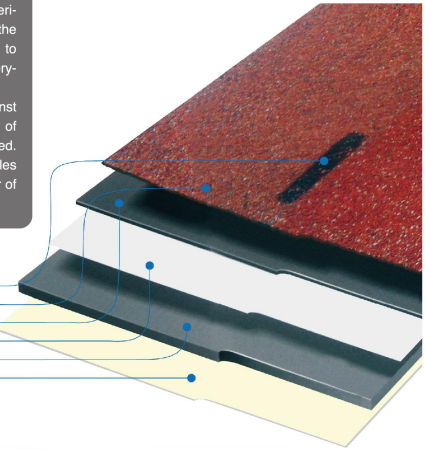


Figure 13



Although wood shingles, slate, tile, metal, and a host of other materials can be used to surface house roofs, asphalt stands out as the roofing material of choice because it is relatively affordable, easy to apply, fire-resistant, comparatively lightweight, available almost everywhere, and durable enough to last for 15 to 40 years.

In the past, uninteresting appearance was the biggest strike against asphalt roofing—it just didn't offer the visual interest and charm of classic materials such as wood and tile. But things have changed. Today, asphalt shingles are sold in many textures, grades, and styles that are reasonably convincing at mimicking the look and character of traditional materials.



Adhesive Self-Pastern With Hot Melt
Mineral surface ceramic granule in high temperature
Weathering-Grade Modified Asphalt waterproof coating
Fiberglass Mat
Weathering-Grade Modified Asphalt waterproof coating
Quartz anti-slip sand



San-gobuild Product Advantages

Multiple Profiles and colors: 5 different Profiles and 42 colors. Surely one of combinations suits your roof.



The products fit all kinds of climates
Resisting severe cold (product can resist -45° C roofing by test)
Resisting burning hot (product can resist 90° C roofing by test)
No environmental pollution.
Resisting violent temperature variation
Resisting rainstorm

It can be successfully used in any shape of the roof. And it can be more safely and easily applicable to any project.



With time going by, the color keeps new.
Basalt is one kind of hard material. Its quality will not change for not absorbing moisture.
Basalt clast, from heat verification technology, It can ensure the color of asphalt shingles made from glass felt keep a long time.

Light weight roof system

Taking 300 square meters roofing as an example, asphalt shingles are of much less weight compared with other roof systems.

Thus it can reduce load-bearing supporting. And the total weight of roof, so that correspond to the lower load-bearing supporting of building and roof.

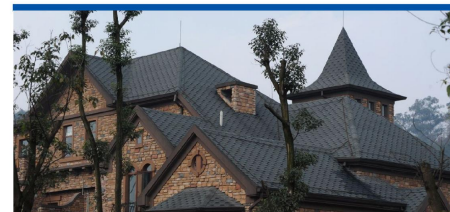


No repair: You can safely walk on the roof and easy to check. Asphalt shingle will not fall and hurt people. Be fit for all kinds of seasons.

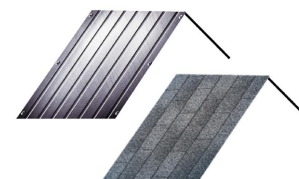
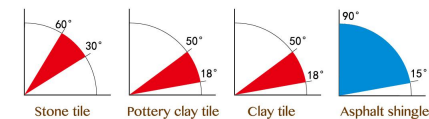


No special accessories

1. slant ridge
2. slant variation of roof
3. gutter
4. flat ridge



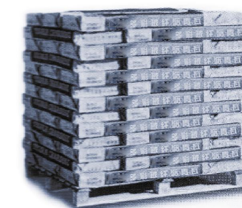
Comparison of the roofing slopes for different roofing systems



San-gobuild asphalt shingles are easy to absorb and settlement of roof construction and guarantee the gas permeability of roof.
Comparing with metal constructive roof, there is no noise, condensation and rust while raining and hailing.

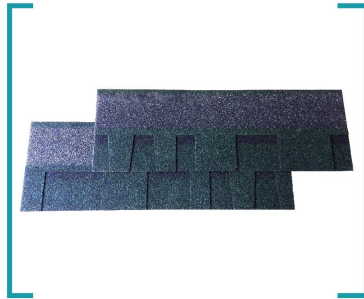
Practical package

No breakage during transportation, Easy to operate and store, Easy to carry on roof



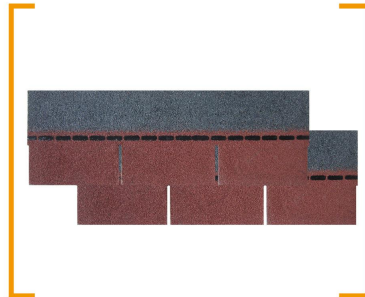


The traditional asphalt strip shingle, commonly called "three-tab," allows for a wide variety of patterns and light-and-shadow options. Each strip shingle is divided into three tabs to approximate the style of individual shingles with the easy installation of strips.



- Length: 1000 ± 3 (mm)
- Qty/Bundle: 16 pcs
- Width: 333 ± 3.0 (mm)
- Exposed area width: ≤ 148 (mm)

Laminated Asphalt Shingles (Architectural shingle)



- Length: 1000 ± 3 (mm)
- Width: 333 ± 3.0 (mm)
- Qty/Bundle: 21 pcs
- Exposed area width: ≤ 148 (mm)

3-Tab Asphalt Shingles (Plane Standard)



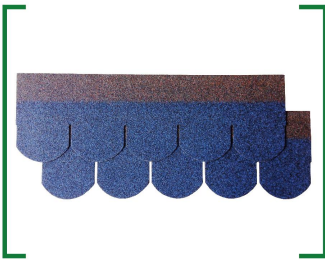
This tile is covered by several layers. Its appearance is elegant and durable. The unique craft creates beautiful emboss which can show you a sense of classical.

It is the fusion of science and nature, with concise line and colorful design. Its inspiration is from traditional terra-cotta tile. It can make roofs have the three-dimensional effect and texture sense. The unique appearance increases graceful sense.



Mosaic Asphalt Shingles

- Length: 1000 ± 3 (mm)
- Qty/Bundle: 21 pcs
- Width: 320 ± 3.0 (mm)
- Exposed area width: ≤ 145 (mm)

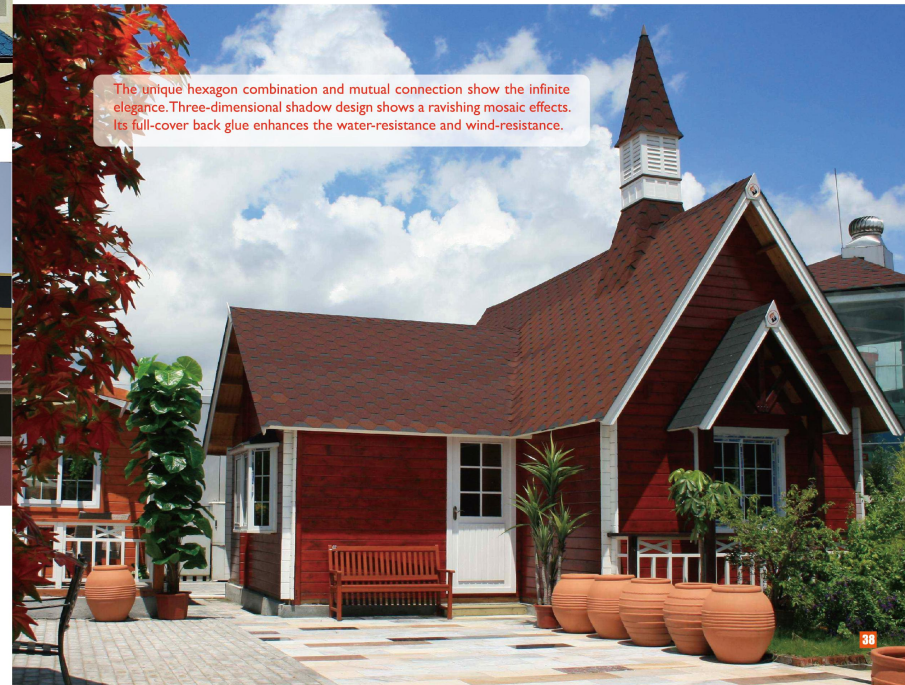


Fish-scale Asphalt Shingles



- Qty/Bundle: 21 pcs
- Length: 1000 ± 3 (mm)
- Exposed area width: ≤ 148 (mm)
- Width: 333 ± 3.0 (mm)

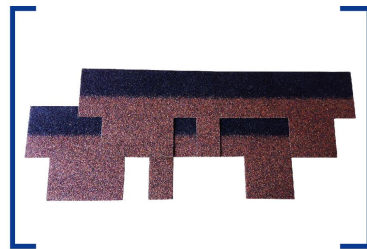
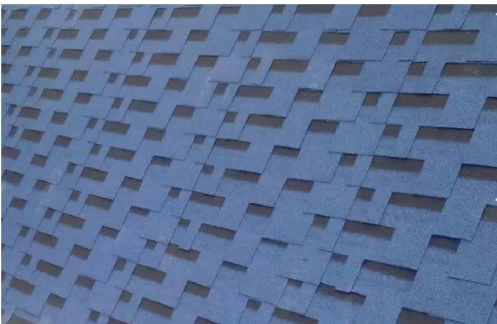
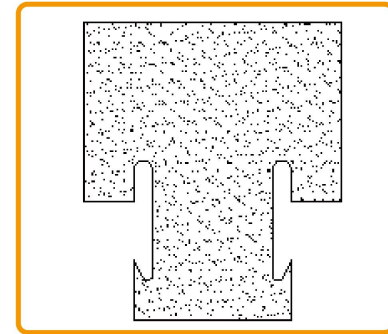
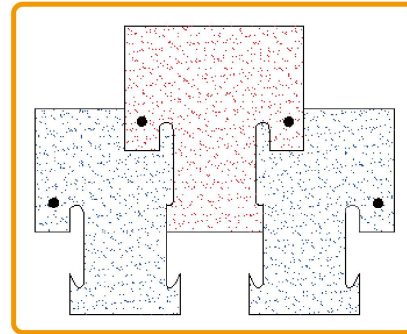
The unique hexagon combination and mutual connection show the infinite elegance. Three-dimensional shadow design shows a ravishing mosaic effects. Its full-cover back glue enhances the water-resistance and wind-resistance.





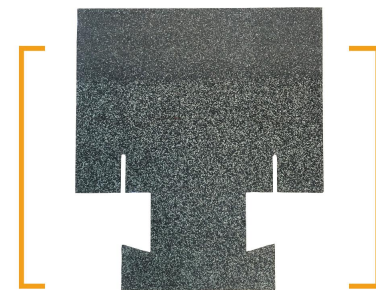
Goethe Shingle: Stereo Symphony. The irregular and interlaced appearance makes the roof colorful and brings in infinite innervation. The full-cover glue on the backside enhances the working life and wind resistance of products.

T-lock shingle is an interlocking shingle that doesn't have a tar strip but instead uses an interlocking design to hold them in place. T-Locks have been widely believed to be more wind-resistant than seal-down shingles because of the overlap system, but they are frequently assigned the same tested wind-resistance rating as a 3-tab or architectural shingle of the same warranty period. T-Lock shingles have been discontinued by the manufacturer and can no longer be repaired as material is no longer available. T-Lock shingles were discontinued in 2006 and as such trying to find replacement shingles for your roof is next to impossible. Photo seen below was taken in Colorado Springs.



Goethe Asphalt Shingles

- Length: 1000±3 (mm)
- Qty/Bundle: 21 pcs
- Width: 320±3.0 (mm)
- Exposed area width: ≤145 (mm)



- Length: 450mm
- Width: 450mm
- Qty/Bundle: 25pcs

■ Installation Process



■ Installation Tools:



Product Overview

As a patented spun-bond polypropylene high-molecular polymer, Cailin Waterproof membrane is a kind of material which is waterproof, anti-damp and mouldproof. It has superior performances, such as waterproofing, air-permeability and aging resistance. With characteristic respiratory function, it allows vapour to go through freely but cannot leak through after condensing. Therefore, desiccation and comfort in the building can be guaranteed and the structure of construction (roof and wall) can be maintained by avoiding vapour damage.

Usage Scope

It is mainly used in waterproofing work for cement or wooden pitched roofs, as well as concrete, timberwood structures and steel metal structure roofs.



Product Features

It has following features, such as aging resistance, oxidation resistance, corrosion resistance as well as excellent pliability.

Tiles can be installed directly onto the underlayment firmly without bulges and falling, and fluff removing is not necessary. It allows tiles to be laid without falling.

Construction techniques adopt polymer bonding, which makes our underlayment can be applied on wet concrete surface.

Better tensile strength and puncture resistance performance.



With air permeability (respiratory ability), it can help concrete base structure fully slaking and allow vapour go through without weakening its waterproofing performance.

Great lap-joint integrity performance.

High-temperature resistance.

It has excellent binding performance with concrete, plastic, metal and wooden roof. Even waterproof underlayment is damaged partly, no water-leakage will be caused.

Superior deformation resistance which can satisfy requirements for maximum structure deformation of buildings.

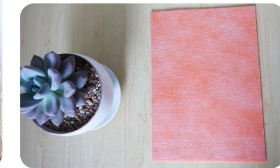
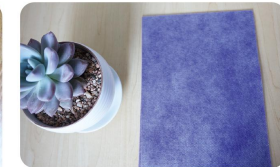
It can be used as pipeline's corrosion resistance for its chemicals resistance performance. Besides, it is easy and convenient to use, especially for waterproofing projects with high requirements of combustion resistance.

It is non-toxic, odourless and environmental friendly. Besides, it can effectively solve ice dam problem of pitched roof.

Installation Method

Screed-coat should be firm, smooth and clean without loose, dust emission, cracks or bulges.

For not-flat surface, such as the joint of screed-coat and facade, or the nook, underlayment should be paved as an arc.



Coil using cement glue, polyurethane and special circumstances of the material can be special glue. Such as the use of 801 glue, glue and cement weight ration of 1:5 and add the right amount of water and stir well.

Cement glue is required for the pavement of the underlayment, for exceptional cases, polyurethane or dedicated glue is needed. If 801 glue is the choice, the weight proportion between glue and cement is 1:5 mixing them up with proper amount of water and well stirred.

Before paving the large-area membrane, pre-treatment of some parts, such as joints, extra ply and leakage parts should be done.

The paving direction should be conducted from bottom to top in accordance to downstream slope.

The installation method of joint of waterproofing material is overlapping joint. The width of overlapping joint is 10cm while the flashing height should be more than 20cm.

Auxiliary Product–Waterproof Butyl Rubber Sealing Tape

Product Overview

This product is made from the mixture of butyl rubber and PIB with Special production formula, most advanced patented technologies and superior high polymer material (imported) with special manufacturing processes guarantee its high bonding effect of single-sided or double-sided sealing tape which is environmental friendly and solvent-free .

It is a kind of flake-like butyl rubber sealing tape which can be applied on waterproof treatment of high polymer coil and metal roofing projects.



Scope of Application

Waterproof treatments of roofing, underground and structure construction joint of new construction projects and lap joint sealing of waterproof macromolecule coil;

Sealing waterproof, and shock absorption of lap joint of color contour plate and daylighting panels;

Waterproof and sealing treatments of lap joints of steel structure and waterproof maintenances of all kinds of steel structures;



Butyl sealing tape can be applied by waterproof and sealing treatment of various wooden roofing, color steel, steel, waterproof coil and pc plate under sunshine;

Sealing treatments of crevices of doors and windows and sealing treatments of outer parts of pipe connection and so on;

Product Features

Excellent mechanical properties: great bonding strength, extension strength and elasticity, good adaptability to surface deformation and seasoning crack;

Stable chemical properties: superior chemical resistance, weather resistance and corrosion resistance;

Reliable application properties: awesome waterproofness, leakproofness, and cohesiveness; never solidification, permanent suppleness; Its temperature tolerance ranges from 70—200°C and it can bear displacement to some extent;

Convenient operation and easy installation, environment protection and being solvent-free;



Usage Method

Usage Method of Double-sided Butyl Rubber Sealing Tape:

1. Before using the double-sided sealing tape, parts of the waterproof roofing membrane (or plate) which are going to be adhered should be wiped clean;
2. Open the sealing tape and keep it alignment with the lapped seam of lower layer, then stick it to the lapped seam of the lower layer. The release paper is torn off as the tape is pressed hard onto the seam and a compression roller should be used to expel the air and make the sticking firm;
3. At last, peel off the release paper of the opposite side. As you stick it to the upper layer, press hard to keep it bond tight with the lapped seams.

Usage of Single-sided Butyl Rubber Sealing Tape:

1. After the waterproof roofing membrane (or plate) is ready, wipe the part which is going to be adhered clean;
2. Open the sealing tape and keep it alignment with a lapped seam, then stick it to the lapped seam. The release paper is torn off as the tape is pressed hard onto the seam and a compression roller should be used to expel the air and make the sticking firm.



Auxiliary Product–Single-sided Waterproof Sealing Tape

Product Overview

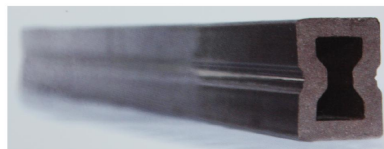
Single-sided waterproof sealing tape is one of the self-adhesive waterproof materials. Its initial adhesive property is excellent, which means that it can be easily adopted on a wide range of substrate materials. Besides, it also has following advantages: never solidification, permanent suppleness, withstanding displacement, great waterproofness, leak-proofness and corrosion resistance property. Its weather resistance property can last as long as 20 years.

Scope of Application

It is applied on roofing ridges of light-steel mill, lapping joint parts of color steel plate and daylighting panels, roof gutters, and waterproof connection parts between door frame, window frame, concrete roofing, and air conduit. Remove the release paper of sealing tape and stick it in alignment with lapped joints and crack. Press hard on the surface of aluminum (non-woven fabric, PE and so on) sealing tape with hands or small press roll to make them bond tight.



Auxiliary Product—Wood-plastic Tile Batten



Wood-plastic Tile Batten	
Brand	San-gobuild
Material	Wood-Plastic
Usage	Fixation
Size	40*30*3000 (E.6mm) 30*30*3000 (E.6mm)

Product description

Wood-plastic tile batten is a new kind of composite material which is made by wood fiber or other organism and thermoplastic. It acquires features of both wood and plastic. Experts from home and abroad and this industry value it and pay great attention on it because it has following advantages: being durable, artistic and wood-like, easy to manufacture and process, high mechanical strength, low moisture absorption rate, non-deformation and non-crack, mothproofness, dampproofness and acidproofness, wide range of raw materials and recyclable usage. Application field of wood-plastic composite material is extended from outdoor floor to indoor and outdoor decoration materials, landscape, automobile, light industry and so on to take place of wood, aluminum, fiberglass etc. Infra-structures such as 2008 Olympic stadium, Olympic park, Finland Pavilion of the Shanghai World Expo, Guangzhou National Games Stadium and other basic facilities all adopt this kind of material.

Accessories

Standard Accessory of Tile Batten

The related accessories are manufactured under strict production requirements and have been tested for many times. They are made of 304 stainless steel which has qualified properties as following: corrosion resistance, heat resistance. Its mechanical properties and cold processing properties, such as deep stamping and bending are better and it won't get hardened after heat treatment.

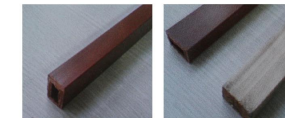
Adjustable Standard Accessory

Considering different roofing with different flatness, this tile batten bracket which can be adjusted freely is invented after many researches. A most important feature of the tile batten is that it can be adjusted according to the flatness of roofing, which perfectly solve problems of roofing leveling.



Wood batten's advantages compared to traditional wooden battens

1. Better stability than tradition wooden tile batten and being knur-free;
2. Non crack, non-warping, non-deformation and no need to paint protective paint on the surface;



3. Being environmental friendly: using renewable materials (wood flour and plastic), no need to do preservative treatment while traditional wood must go through preservative soaking treatment to resist termites and other microorganisms because of its usage time limit;
4. Longer usage time than traditional wood, no moisture absorption, no rot, no crack, no deformation, being less sensitive to temperature, no need to worry about structure force after years' of usage because of rot resulting in dangers;
5. Easy installation by only using common wood working tools to incise and drill;
6. Stronger nail-holding force which is two to five times stronger than common wood's nail-holding force;
7. Being highly environmental friendly with no pollution and no harm, recyclable usage while traditional wood will release toxic substances (preservative) resulting in human body contact and flowing into soil, which causes secondary pollution and harms to human health.



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土耳其



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TANZANIA
坦桑尼亚



UNITED STATES OF AMERICA
美国



BANGLADESH
孟加拉



NIGERIA
尼日利亚



GHANA
加纳



THAILAND
泰国



GUYANA
圭亚那



UNITED KINGDOM
英国



AUSTRALIA
澳大利亚



INDONESIA
印度尼西亚



CHILE
智利

.....



OUR COMMITMENT

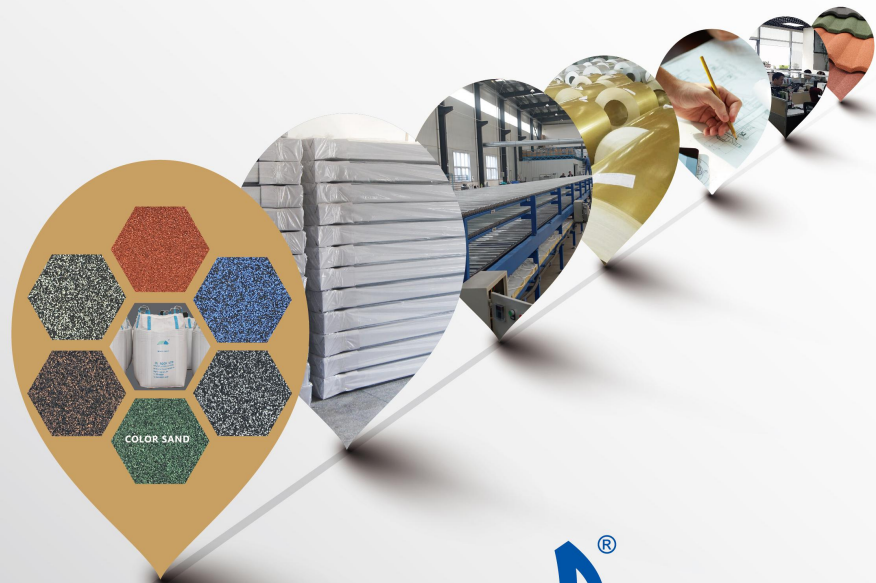
High-temperature sintering ceramic sand particles, Long remain bright and beautiful, keep the solid color for more than 20 years.

Professional packaging, effectively protect the high quality of external and internal cultivation. The group production of a variety of roof supporting products, One-stop shopping service channels. (Insist on the use of) Stick with high-quality raw materials Quality assurance from the source.

All products can be cloud personalized customization for your extraordinary! personality!

Decade elite team of international trade, to provide you with professional personal butler service.

Timely delivery, Efficient after-sales, 24 hours online service for you!



圣戈邦
 san-gobuild

Professional Roofing System Manufacturer

