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KIN LONG

Kinlong Roof Shingle catalogue



GUANGDONG KIN LONG HARDWARE PRODUCTS CO.,LTD.

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www.kinlong.com

STOCK CODE: 002791

Improve the human being’s living conditions and make Kinlong the synonym for high-quality.

More than **900,000**㎡ production area.

More than **60** subsidiaries.

More than **700** sales offices both in domestic and overseas .

More than **12,000** employees.

ESTABLISHING BENCHMARK AND PURSUING EXCELLENCE

Kinlong was established in 2003 and is a company engaged in design and research, manufacturing and sales of construction and building products. We are committed to provide high-quality products and services. After years of development, Kinlong has become a reputable brand in the construction industry.

Kinlong industrial park has an area of more than 900,000 square meters and has an employment of more than 12000 staff. Kinlong owns more than 60 subsidiaries, and with over 700 sales branches in the domestic and overseas markets. The company has more than 20,000 categories of products, which has been sold to more than 100 countries and areas. Kinlong, with it's sophisticated production management, provides customers with integrated solutions for different functional buildings.

Focusing on providing integrated construction and building accessories and diversified products, Kinlong continues to meet customer needs and market changes with the sales model of "R&D + manufacturing + service", and sets up its own marketing networks to directly provide customers with products and technical services. With years of precipitation and accumulation, Kinlong is at the forefront of the industry.

Over the years, Kinlong has been embracing the philosophy of "Unique value is created by professionalism, but no future shall be created by speculation". This has made Kinlong standing on the leading position in construction hardware market. Kinlong has provided products and services for many famous buildings around the world, and the landmark buildings of countless cities have become the pride and glory of Kinlong people.

To every designer, engineer and company committed in construction industry, Kinlong is always the most trustworthy and reliable partner.

Social Responsibility



For more than ten years, Kinlong has not forgotten to give back to the society while developing itself. By the end of 2024, more than 90 kinlong social charity schools have been donated and built in remote and backward areas.



INNOVATION AND ENTERPRISING INDUSTRY BENCHMARK

Kinlong is committed to driving progress through innovation. Our approach has earned us recognition and high praise from state departments, government units, and sectors.



ENTERPRISE REPRESENTATIVE HONOR

Second Prize in National Science and Technology Progress Award

- First Prize in Huaxia Construction Science and Technology Award
- Second Prize in Huaxia Construction Science and Technology Award
- Special Prize in China Steel Structure Association Science and Technology Award
- First Prize in China Steel Structure Association Science and Technology Award
- Innovation Award in China Steel Structure Association Science and Technology Award

The most influential brand of Jinxuan Award in the construction door, window and curtain wall industry for four consecutive sessions;

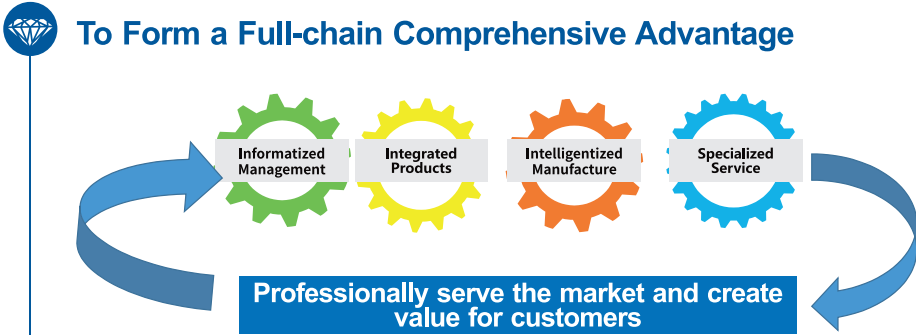
2021 TOP500 Preferred Supplier of Comprehensive Strength of Chinese Real Estate Development Enterprises-Smart Community Service Category

REPRESENTATIVE R&D INNOVATION HONOR

- National Intellectual Property Demonstration Enterprise
- Laboratory center approved by the National Accreditation Board
- Guangdong Provincial Enterprise Technology Center and Provincial Engineering Center

Kinlong adheres to the philosophy that Unique value can only be created by professionalism,speculation has no future. Our enterprise core value is to respect Respecting science; Striving for coexistence and all-win; Promoting constant innovation; Pursuing sincerity and trustworthiness. and we always insist making innovation, breaking through and making progress, increasing our capacity of research, by which we have obtained recognition and praise from government departments, units and all areas in the society and get many achievements. We pay great attention to the needs from our customers and the prospect of our industry, consistently pursuing perfect, good quality, excellent service and systematic solutions. Our quick and accurate ability of handing over are always leading the market.

Kinlong leads the market with good quality, excellent service, systematic solutions and fast and accurate delivery.





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Always focus on roof shingle
Make you feel and stay at ease



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Project cases

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Raw material _ Glass felt

The full name of asphalt shingle is fiberglass reinforcement asphalt shingle



► Glass felt

The full name of asphalt shingles is fiberglass reinforced asphalt shingles. Asphalt itself is greatly affected by temperature. The key to the application of asphalt shingles in environments where roof openings are exposed to wind, rain, sunlight, and freezing at night is fiberglass reinforced asphalt shingles. The quality of fiberglass reinforced asphalt shingles directly determines the performance of the shingles, which is related to their durability, crack resistance, leakage resistance, and nail pull-out resistance. At the same time, it is clearly stated in the Asphalt shingles made from glass felt (GB/T20474-2015) that all glass felt used should be low alkali or medium alkali glass felt, meeting the requirements of 515.52 in GB/T188402002. The mass per unit area of the base should not be less than 90g/m, and composite bases with glass fiber mesh cloth (i.e. composite base) should not be used.

The glass felt Kinlong asphalt shingles uses a 95g base produced by Jiangsu Kouhai Composite Materials Co., Ltd. (stock code: 300196), a supplier of Owens Corning shingles glass felt from the United States; Which is exceeding national standards (90 grams). The shingles have good toughness and can quickly restore flatness after being rolled up; The longitudinal and transverse tensile force meets the American standard.

Asphalt shingle selection 70#+10#asphalt



► Sinopec Zhenhai Refining and Chemical Co., Ltd

Seen from the surface, asphalt shingles are similar to waterproof coiled materials. However, due to the bad use environment (wind, rain, sun, night frost), the shingles have very high requirements for durability and aging resistance. Therefore, asphalt, as the main raw material, not only requires high purity, but also requires a suitable ratio to cope with the use environment of -20 °C -40 °C

Kinlong Company only selects asphalt from Sinopec Zhenhai Refining and Chemical Branch and Sinopec Shanghai Petrochemical Co., Ltd., and does not add any impurities or rubber powder in the mix proportion. The shingles have no odor, thus ensuring a warranty commitment of 20 years for single layer shingles and 30 years for double layer shingles. The shingles are long-lasting and new!

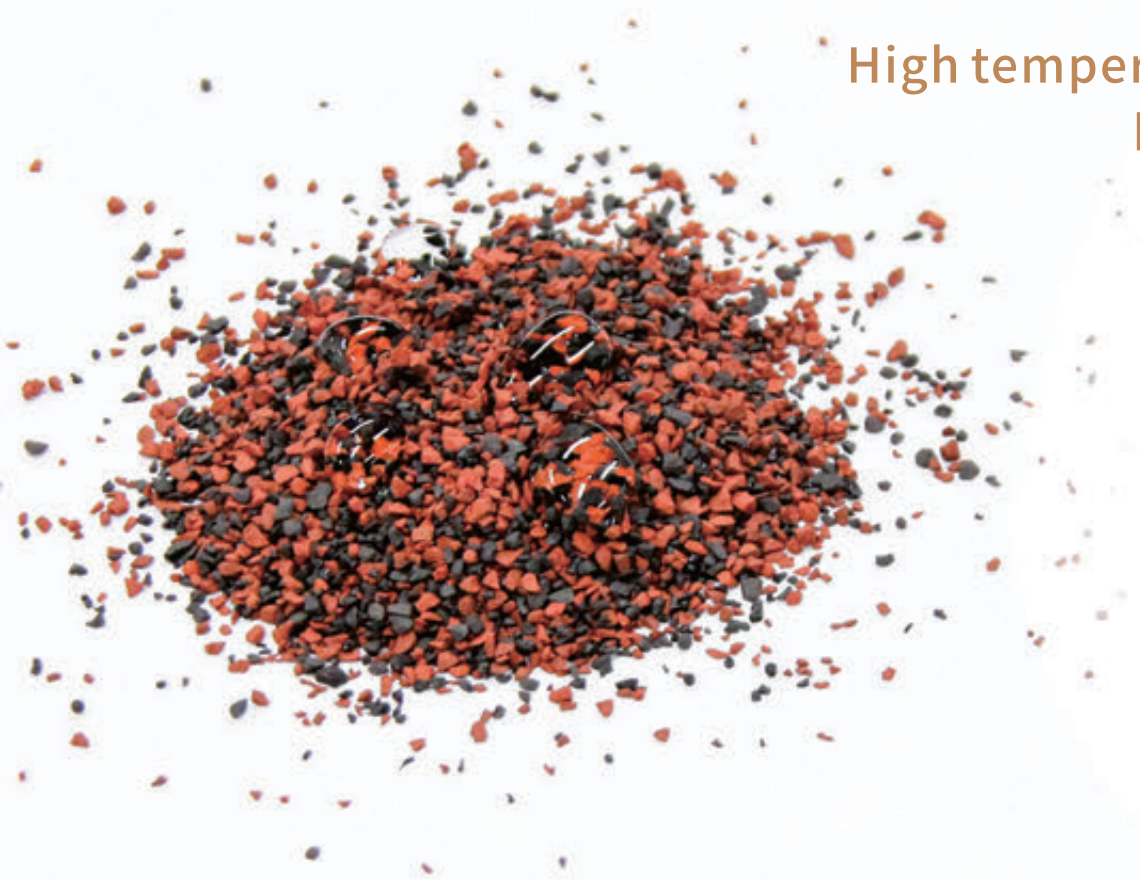
ASPHALT

Raw material _ Asphalt

CRANULES

Raw material _ Colored granules

High temperature porcelain baking granules



Characteristics of Natural Volcanic Basalt

The color of colored granules is not natural. According to different coloring processes, colored granules is mainly divided into dyed granules and sintered granules. Kinlong asphalt shingles use imported sintered granules from the global strategic partner of Owens Corning in the United States: CALOR from France, and combined with a unique granules distribution process, the perfect ratio of

Dyeing granules is produced through a simple one-time coloring technique, with low cost and easy fading. Generally, severe fading occurs within one year, and after 3-5 years, the color will fade by more than 70% or even completely. coarse and fine granules increases the texture of the tiles.

Sintered granules is made by sintering and coloring at a high temperature of 1200 degrees Celsius, and passing through an acidic or alkaline environment. Therefore, it is inherently heat-resistant, acid-base resistant, and has a relatively stable color. After one or two years of use, it will naturally fade, but it will stabilize afterwards and will not fade again, just like the color of new clothes may slightly fade after being washed once, but it will not change after being washed again.

ARCHITECTURAL STYLE



Accessory series



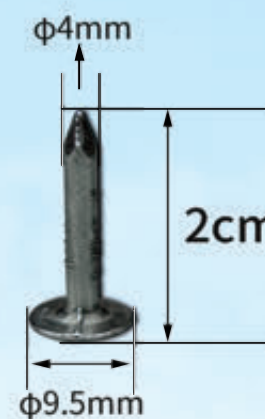
Special nails for wooden
roof asphalt shingles



Special nails for cement
roof asphalt shingles

NAIL

1 carton 20 kg (1 carton 20 boxes)
1 box for 12-15 sqm



Dia for nail hat is 9.5mm, for nail
rod is 4mm



ASPHALT GLUE

590ml per sausage
Net weight 0.75kg



Kinlong asphalt shingle features

Lightweight, colorful, and diverse styles

Cnvenient construction, stable color, dustproof and self-cleaning

Lghtweight and soft, with strong resistance to wind exposure



▲ Production line

Kinlong Company has introduced the only fully automatic sand screening machine and double-layer tile 4-strip adhesive composite technology in China, combined with the most advanced environmental isolation technology in China, filling the gap in China and shortening the distance with foreign peers. It has obtained multiple national patents.

▲ Asphalt

Kinlong Company uses high-quality modified waterproof asphalt, whose raw material is petroleum asphalt, which can ensure that the asphalt shingles can resist wind and rain erosion for a long time, and maintain stable performance of asphalt shingles in severe cold and hot weather. The recycled asphalt used for inferior asphalt shingles not only has a pungent odor, but also has unstable performance. High temperature is easy to flow away, low temperature is easy to crack, and the anti-aging performance is poor.

▲ Felt

Kinlong Company uses glass felt as the matrix for asphalt tiles. A good matrix is like the steel bar in building a house. Asphalt is like cement. The inferior asphalt shingles company uses inferior felt or grid felt to save costs. This kind of felt cannot be fully integrated with asphalt. Shingles are very prone to thermal expansion, cracking, water seepage and other problems.

▲ Rubber strip isolation method

Kinlong Company automatically applies rubber strips when producing shingles on the machine, and at the same time, automatically prepares isolation films at the back of the shingles. After the shingles are produced, they can be immediately packaged and can be used directly during construction. Poor quality asphalt shingles companies cover plastic film on the rubber strip and must remove it during construction, which consumes construction time.

▲ Colored granules

Kinlong Company uses sintered colored granules. The color of colored granules is not natural, and can be mainly divided into dyed granules and sintered granules according to different coloring processes. Dyed granules generally exhibits severe fading within a year. Sintered granules is sintered and colored at a high temperature of 1200 degrees, with stable color, high temperature resistance, acid and alkali resistance.

▲ Granules laying process

Kinlong Company uses triangular coarse granules to deeply embed the colored granules into the asphalt layer, and at the same time, a certain proportion of fine granules effectively covers the surface of the shingles, giving them a strong sense of three-dimensional layering. The application of jump color camouflage technology makes the color contrast of the roof strong, showcasing a unique roof effect to customers.

Additional features of asphalt shingles

▲ Shingles cutting method

Kinlong Company uses a fully automatic double-layer composite machine to achieve automatic bonding and cutting of double-layer tiles, with neat and beautiful cuts, eliminating the problem of joint leakage caused by the detachment of the double-layer tile bottom plate and irregular tile cuts. The manual bonding of inferior asphalt shingles companies to the bottom plate panel can lead to uneven length between the tile bottom plate and the panel, resulting in joint leakage.

▲ Rubber strip

Kinlong Company uses rubber strip segments instead of the entire rubber strip. Although the adhesive of the entire rubber strip is better than that of the rubber strip segment, the biggest problem is that the entire rubber strip is impermeable. Because shingles have joints, water will penetrate the entire rubber strip from the joints. If all of it is adhered, the water will stay in the tiles for a long time and have an impact on the durability of the shingles.

Colored granules: It is made from the Owens Corning shingle colored granules supplier from the United States, imported from France, and sintered at a high temperature of 1200 degrees. The color is stable and not prone to color difference problems.

Asphalt: The asphalt produced by Sinopec Zhenhai Refining and Chemical Co., Ltd. is selected, and its enterprise technology basically represents the advanced technological level of China's refining industry;

Glass felt: Jiangsu Changhai Composite Materials Co., Ltd. (stock code: 300196) is used, and the transverse and longitudinal tensile values exceed the national standard requirements;



Comparison between asphalt shingle and traditional shingle

Kinlong asphalt shingles



Excellent environmental performance, renewable materials. The raw materials are by-products of petroleum refining and are renewable resources for "waste utilization".



Less space occupied, lower transportation costs. Taking 10000m² as an example, a vehicle can hold 4000m² of asphalt shingles



Lightweight, non fragile, with minimal transportation losses. There is basically no loss during transportation and handling.



Fast construction speed and low labor cost. Directly nail construction on base, one person can construct 50-60m² shingles per day with just a regular art knife.



Refurbishment without dismantling shingles and low replacement cost. Directly cover and lay on the original shingles without replacement cost.



Mechanical fixation is not easy to fall off, with high safety performance. Asphalt tiles are light in weight and in the form of flakes, with little risk of wind resistance on the falling surface. The surface is also made of sand, which has frictional resistance and is not easy to slip during construction.



Good matt effect, rejects light pollution. No reflection in sunlight, good matte effect.



High ductility and adaptability to a wide range of roofs. shingles have good ductility and are suitable for any shape of roof, including circular shapes.



Long warranty period, no worries after sales. Kinlong asphalt shingles have a warranty of 20-30 years.

Traditional shingles (Ceramic shingles, cement shingles)



Poor environmental performance, non renewable raw materials. The raw materials, such as clay and stone, are non renewable resources, and the country has begun to protect the resources of clay and stone.



More space occupied, higher transportation costs. Taking 10000m² as an example, one car can pull 1000m² of hard shingles.



Hard and easy to break, high transportation loss. Fragile and difficult to control (depending on the quality of the shingle itself and human factors).



Slow construction speed and high labor cost. The roof needs to be made of wooden or concrete shingles strips, and one person can construct 20m² per day. Left and right, requiring a cutting machine to cut shapes with high visual loss.



Hard and easy to break, high transportation loss. Fragile and difficult to control (depending on the quality of the shingle itself and human factors).



High risk of falling, low safety performance. Hard shingles are in block shape and pose a significant risk of falling. The surface is smooth and there is a risk of slipping for construction personnel, and cutting tools can easily cause safety hazards.



Fading, light pollution, poor comprehensive effect. The reflection of ceramic shingle causes light pollution, and the surface of cement tile is sprayed, which fades quickly and has poor effect.



Hard and non stretchable, suitable for less roof. it can only be laid on flat roofs and is not suitable for diverse building needs (such as arched, spherical, and splicing of multipl.



No warranty provided, no after-sales guarantee. Traditional tiles are fragile and do not provide warranty services.

Reasons For choosing glass fiber tire asphalt shingle

The colorful asphalt shingles on the roof can effectively absorb environmental noise, providing residents with a quiet living environment.
The top layer is covered with granules particles (sintered granules), which can protect the surface of the felt from direct sunlight and wind and rain erosion, making the felt less prone to aging.



Lightweight



Colorful and diverse styles



Convenient construction



Color stability



Dust prevention and self-cleaning



Lightweight and soft



Strong resistance to wind exposure



Prefabricated glass fiber reinforced APP modified asphalt can make colorful asphalt shingles resist the erosion of various climatic factors such as light, rain, and freezing for a long time.



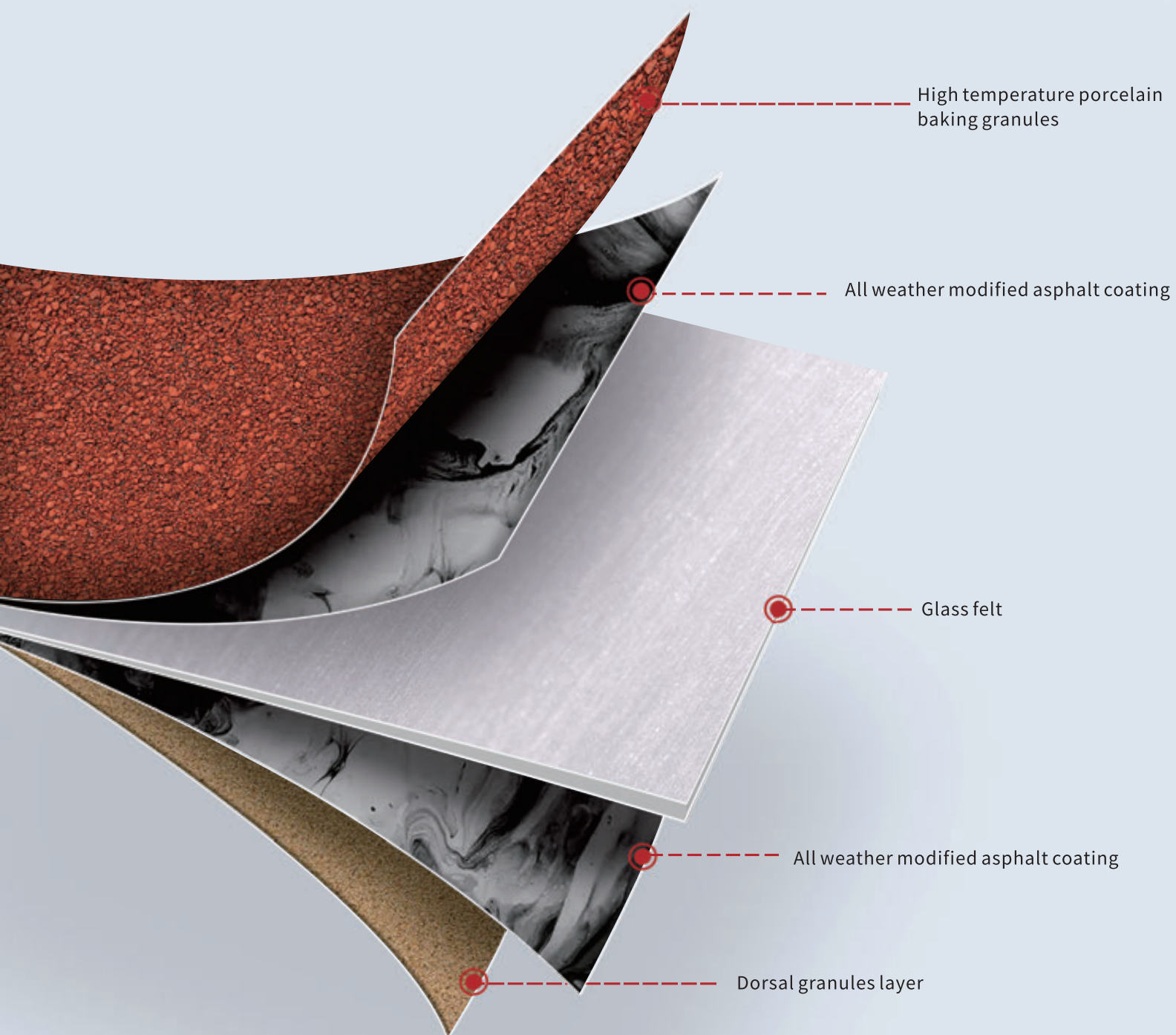
Colorful asphalt shingles adapt to the trend of world building material development and lead the vanguard of economic and ecological architecture.



23 years of focus on the roofing industry, committed to creating high-quality roofing!



ASPHALT SHINGLE STRUCTURE



STRUCTURE

TOTAL PROTECTION IS MORE THAN SHINGLE-DEEP



Sealant

Waterproof roll material
Roof lining material



Defense

Starting layer
Asphalt shingles
Ridge shingles



Ventilation

Vents
Exhaust port



CHOOSE BEAUTY THAT PERFORMS WITH A COMPLETE SYSTEM

3-Tab

“

3-Tab asphalt shingles refer to each asphalt shingle consisting of a single layer, with the exposed part formed by two tile lines forming a 3-tab structure. The color tone and depth changes within the single layer create a shadow effect on the roof. Due to its colorful and natural fashion, its beautiful and rich colors can match the sloping roofs of villas, resorts, townhouses, garden landscape renovations, and other buildings with an angle of more than 10 ° in any environment.

”

MORE CILIR CHOICES



Harbor Blue



Estate Gray



Estate Gray



Asian Red



Sierra Gray



Terra Cotta

Laminated

MORE COLOR CHOICES



Sierra Gray



Harbor Blue



Chateau Green



Estate Gray



Ancient Black



Terra Cotta

Laminated asphalt shingle



“

Laminated asphalt shingles are made by overlapping the panels and bottom plates, covered with multiple thin sheets. They are made of natural granules and glass felt, with a generous and long-lasting appearance, reflecting a unique classical aesthetic. Asphalt shingles not only enhance waterproof performance, but also showcase the artistic color of the roof, making them the primary choice for roofing materials in villas and high-end projects.

”

Mosaic



Mosaic asphalt shingle

“

The unique hexagonal and colored shadow design of the mosaic asphalt shingle creates a perfect and heavy antique effect on the roof, with clear and angular appearance lines. Adopting French CARLAC Group's Cailin granules, and using American JM glass felt.

With a breakthrough has been made in new bonding technology, using a full back adhesive base plate, which enables the laying of diamond mosaic asphalt shingles to have stronger wind resistance performance. It is a favorite choice for designers and European and American architectural styles.

”

MORE CILIR CHOICES



Sierra Gray



Harbor Blue



Chateau Green



Estate Gray



Ancinet Black



Terra Cotta

Laminated camouflage

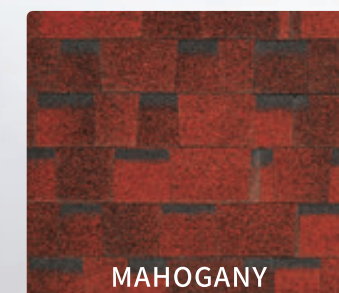
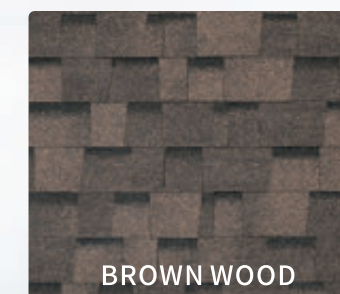
“

Laminated camouflage asphalt shingles are the most beautiful and high-end fashion tile type, widely used in high-end villas and residential areas both domestically and internationally, making installation more convenient. Laminated camouflage asphalt shingles are known for their distinctive concavity and convexity, with unique smooth lines in the shape of an octagonal shape, forming their own unique simple and well-arranged visual

”

Camouflage

MORE COLOR CHOICES





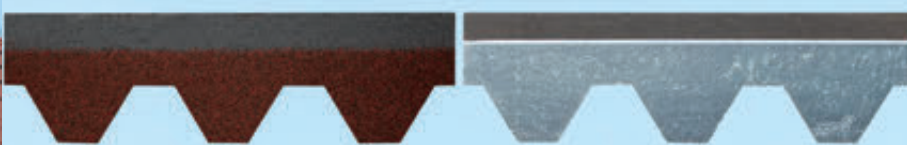
3-TAB ASPHALT SHINGLE



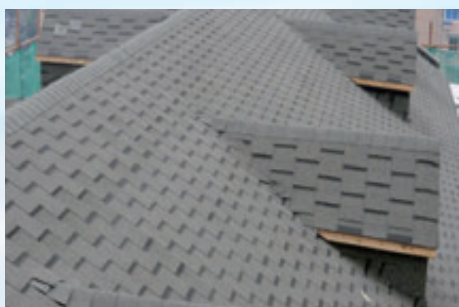
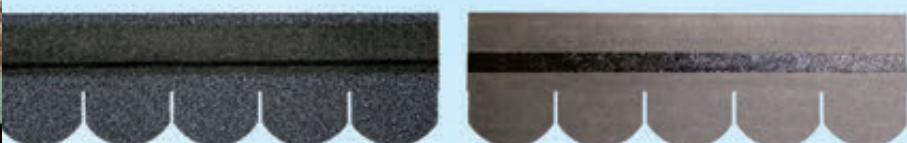
LAMINATED ASPHALT SHINGLE



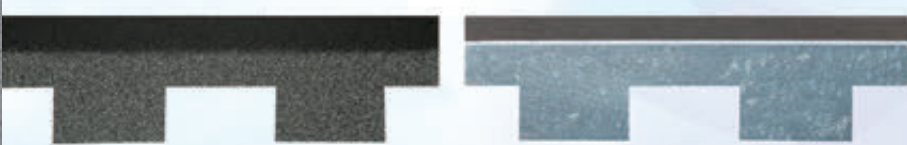
MOSAIC STANDARD TLIE



CRESCENT OF SINGLE LAYER



GOETHE OFSINGLE LAYER



Kinlong asphalt shingles parameter

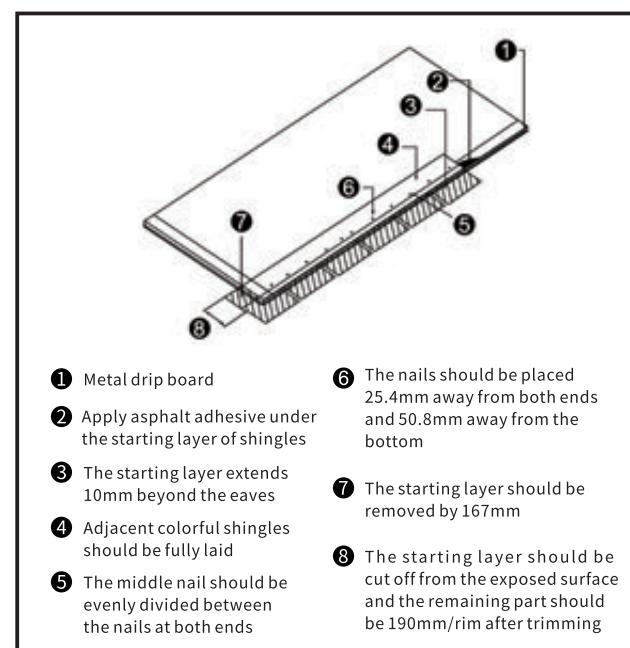
Type	Length	Thickness	Length	Weight	Packing	Exposed area
3-Tab asphalt shingle	1000±3mm	333 ⁺⁵ ₋₃ mm	≥2.6mm	9.03kg/sqm	21sheets/packet	0.148/sqm
Laminated asphalt shingle	1000±3mm	340 ⁺⁵ ₋₃ mm	≥2.6mm	12.06kg/sqm	16sheets/packet	0.145/sqm
Mosaic asphalt shingle	1000±3mm	320 ⁺⁵ ₋₃ mm	≥2.6mm	7kg/sqm	21sheets/packet	0.143/sqm
Goethe of single layer	1000±3mm	320 ⁺⁵ ₋₃ mm	≥2.6mm	7kg/sqm	21sheets/packet	0.143/sqm
Crescent of single laye	1000±3mm	333 ⁺⁵ ₋₃ mm	≥2.6mm	9.03kg/sqm	21sheets/packet	0.148/sqm

PER PACKET PARAMETER

Type	3-Tab	Laminated	Mosaic	Goethe	Crescent
Weight/packet	28kg/packet	28kg/packet	21kg/packet	21kg/packet	28/kg/packet
Laying area/packet	3.1sqm/packet	2.32sqm/packet	3sqm/packet	3sqm/packet	3.1sqm/packet
Qty/packet	21sheets/packet	16sheets/packet	21sheets/packet	21sheets/packet	21sheets/packet
Covering area/shingle	0.148/sqm	0.145/sqm	0.143/sqm	0.143/sqm	0.148/sqm
Exposed surface width	148mm	145mm	143mm	143mm	148mm

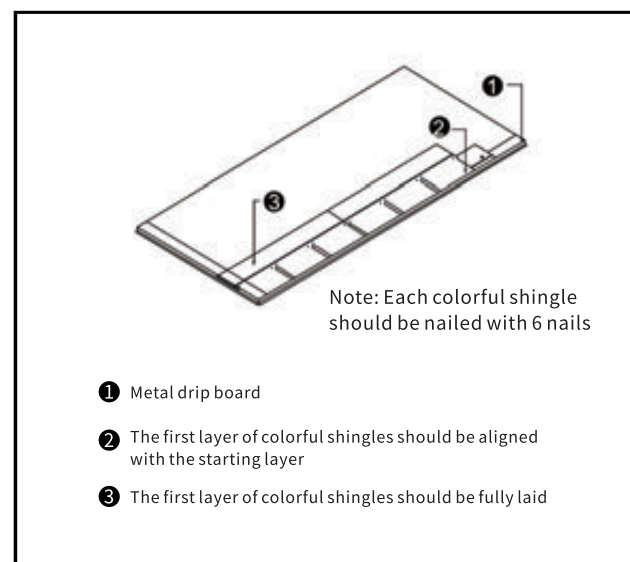
1 Specification for laying the starting layer

1. The starting layer of asphalt tiles at the eaves of the roof is the part left after removing its exposed surface, which is called the overlapping part. Lay the starting layer on the roof, with the mineral particles facing upwards. The starting layer of overhanging eaves and eaves along the gable should extend 10mm beyond the eaves.
2. Each starting layer of shingle should be coated with dedicated asphalt adhesive below.
3. Fix the two ends of the starting layer with a nail at a distance of 50mm from the bottom and 25mm from the side, and then evenly set two nails horizontally between these two nails. Be careful not to puncture the adhesive layer with nails. (As shown in the figure)



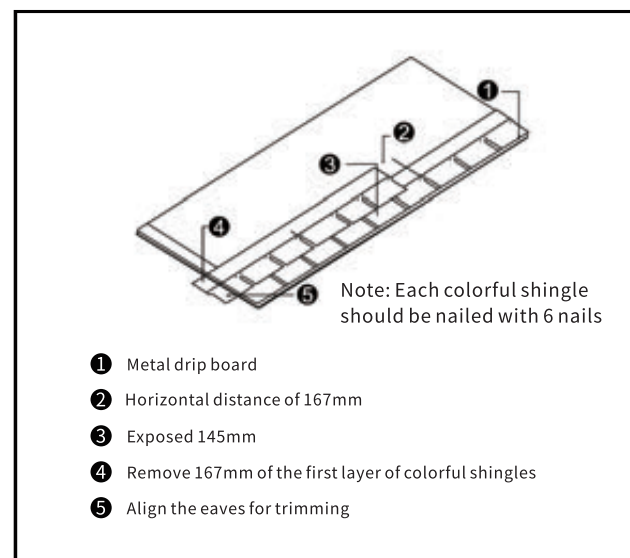
2 Specification for laying the first layer

1. As shown in the figure, start with the entire shingle and lay the tiles in sequence. Along the edge of the gable and eaves, ensure that the first layer of shingles is aligned with the edge of the initial layer.
2. The shingles should be tightly connected together, but there should be no compression between them. Fix the tiles according to the described fixing method.
3. The laying of the first layer is the most critical. During the laying process, constantly check whether the edges of the shingles align with the snapped horizontal line to ensure that this layer is laid straight. (As shown in the figure)



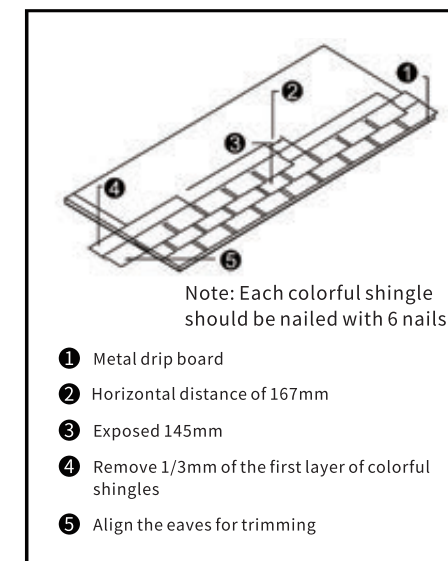
3 Specification for laying the second layer

1. The side edges of the first shingle on the second layer are staggered by 1/6 (167mm) from the side edges of the previous layer of tile.
2. Use the entire shingle to lay it down in sequence.
3. Align the top edge of the decorative seam of the next layer of shingles, expose it by 145mm, and then fix and trim the excess part. (As shown in the figure)



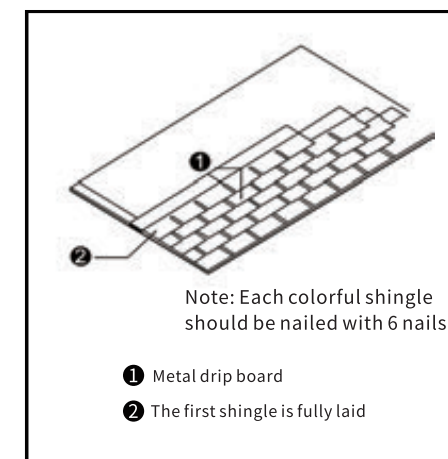
4 Specification for laying the third and fourth layers

1. The starting layer of asphalt tiles at the eaves of the roof is the part left after removing its exposed surface, which is called the overlapping part. Lay the starting layer on the roof, with the mineral particles facing upwards. The starting layer of overhanging eaves and eaves along the gable should extend 10mm beyond the eaves.
2. Each starting layer of shingle should be coated with dedicated asphalt adhesive below.
3. Fix the two ends of the starting layer with a nail at a distance of 50mm from the bottom and 25mm from the side, and then evenly set two nails horizontally between these two nails. Be careful not to puncture the adhesive layer with nails. (As shown in the figure)



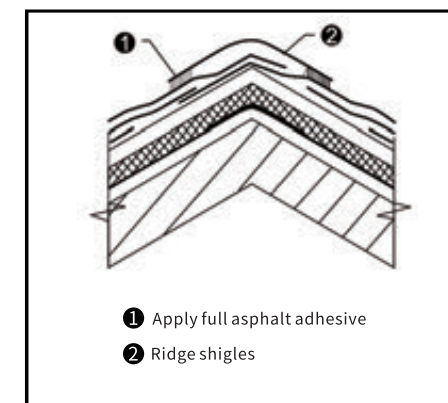
5 Specification for laying the fifth layer and above

1. Please repeat the installation steps for the first to fourth layers of shingles after the fifth layer. (As shown in the figure)



6 Specification for laying at the junction of ridge shingles

1. Before laying the ridge shingles, each roof shingle on the roof should extend no less than 100mm beyond the ridge line and be fixed with nails.
2. When laying the final shingles, slight adjustments should be made. Ensure that the roof ridge shingles can fully cover the top layer of the roof shingles and have an equal overlap width with the roofs on both sides of the ridge. (As shown in the figure).

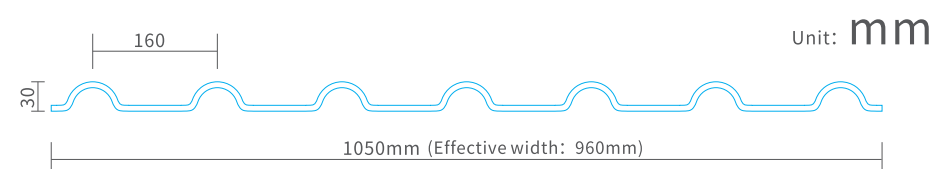


ASA synthetic resin shingle

30 years warranty



Ultra high weather resistance engineering resin ASA is used as the surface material of shingles, and is made with a high-strength wear-resistant layer. The color is long-lasting, and once washed away by rain, it becomes as clean as new. Waterproof, tough, insulated, corrosion-resistant, wind and earthquake resistant, hail resistant, and environmentally friendly. **Suitable for villas and high-end factories.**

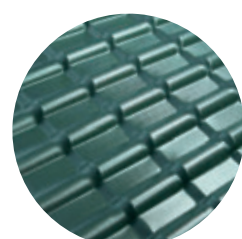


Product specifications and parameters

Thickness 3.0mm、2.5mm Width 1050mm

Length Customized according to multiples of pitch

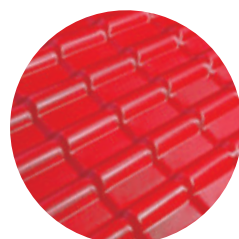
Color.....



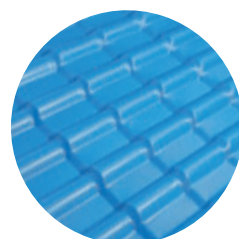
Darlgreen



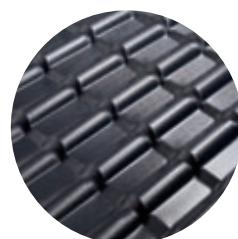
Brick red



Purplish red



Blue



Grey



All kinlong resin shingle products are printed with ASA materials and a quality assurance label from the People's Insurance Company of China, with a warranty period of 25 years.



Kinlong ASA resin shingles waterproof cap are made of **GELOY**, a Fortune 500 company, using weather resistant engineering resin ASA raw materials, ensuring bright colors and long-lasting color fastness.

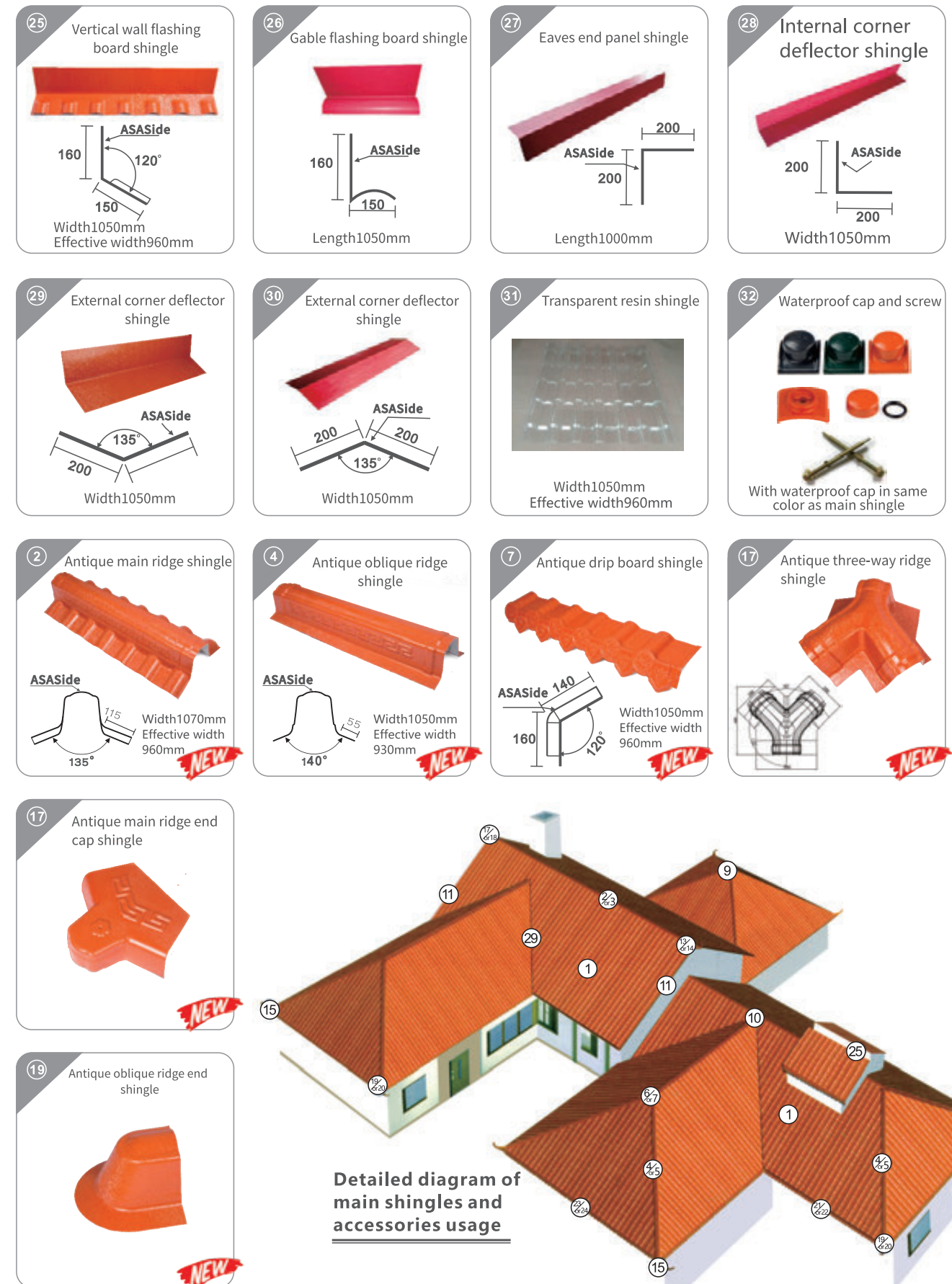
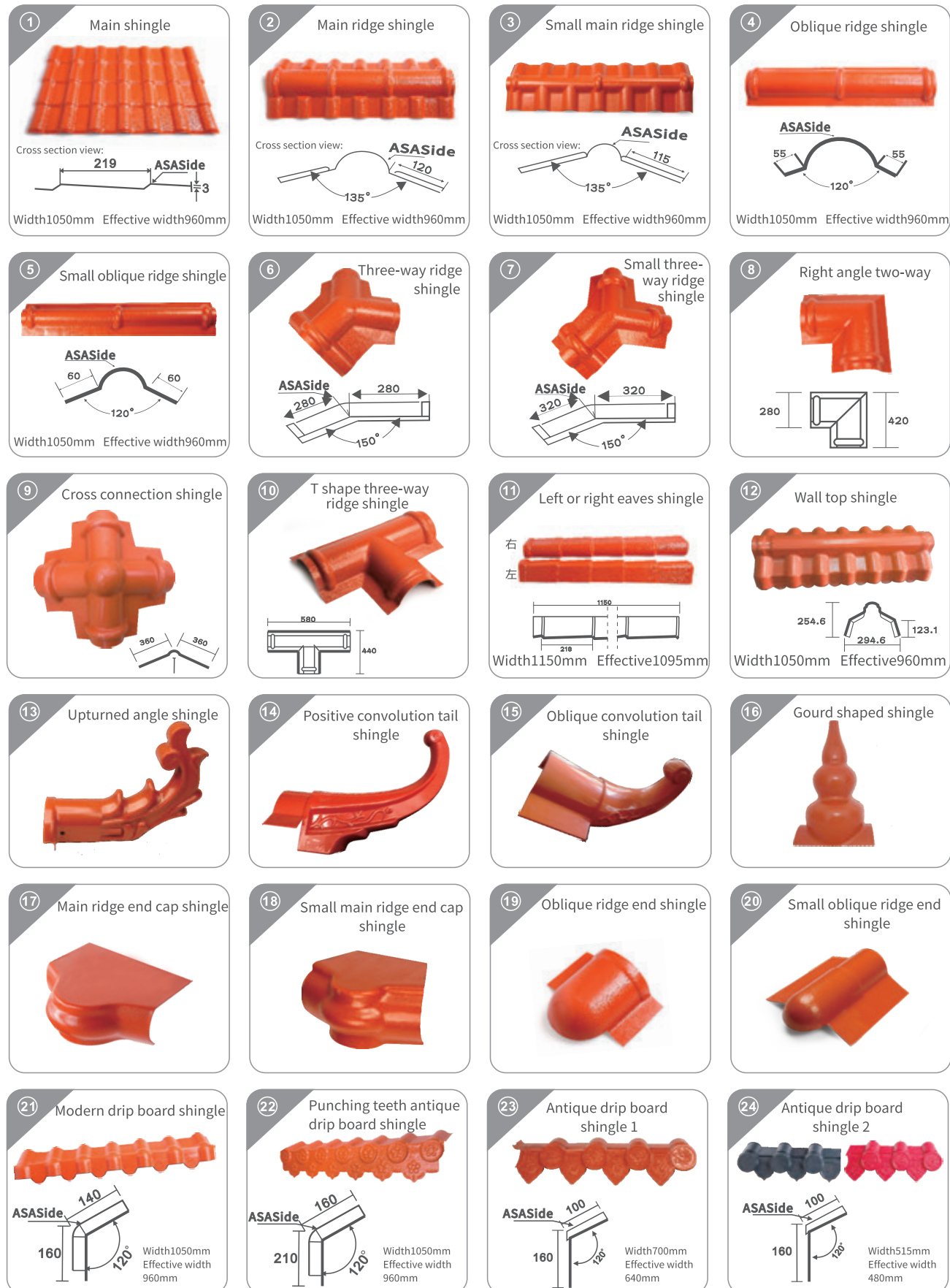
Kinlong ASA resin shingles are made of GELOY, a Fortune 500 company, using weather resistant engineering resin ASA raw materials, ensuring bright colors and long-lasting color fastness.

However, many manufacturers on the market use domestically produced ASA, acrylic, and even ABS fabrics, which are not bright enough in color, have poor weather resistance, and fade quickly.



However, many manufacturers on the market use domestically produced ASA, acrylic, and even ABS fabrics, which are not bright enough in color, have poor weather resistance, and fade quickly.

Accessories for ASA synthetic resin shingle



ASA synthetic resin diamond shingle

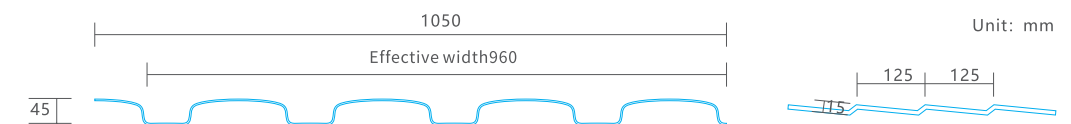
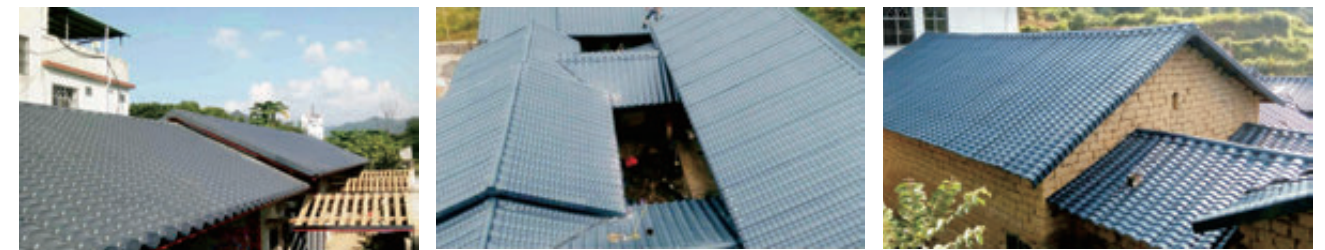
50 years warranty



- **Super toughness, guaranteed for 50 years**
Using higher quality resin as raw material ensures better toughness and longer service life.
- **The color is brighter and more vibrant, beautiful without fading**
Using imported brand **GELOY** ASA raw materials, the surface is as bright as a mirror.
- **Free replacement for hail resistance**
If the product is damaged by hail, Kinlong can replace it for free for customers.

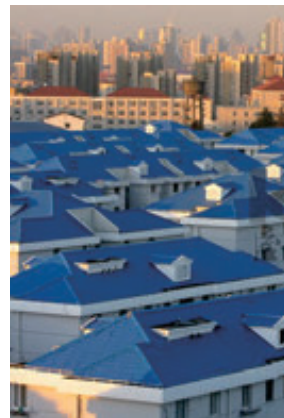
ASA synthetic resin small blue shingle

30 years warranty



Common accessories for small blue shingle





1. Lasting color



4. Excellent corrosion-resisting performance

Kinlong resin shingles can withstand long-term corrosion from various chemical substances such as acids, alkalis, and salts. Experimental proof: After soaking in salt, alkali, and various acids below 60% for 24 hours, there is no chemical reaction on the shingles. It is very suitable for use in areas prone to acid rain and coastal areas, and the effect is particularly significant.



7. Excellent heat-preserving and heat insulating property



8. Good fire resistance

Kinlong synthetic resin shingles are fire-resistant materials that achieve V-0 fire resistance.



2. Excellent anti-load performance

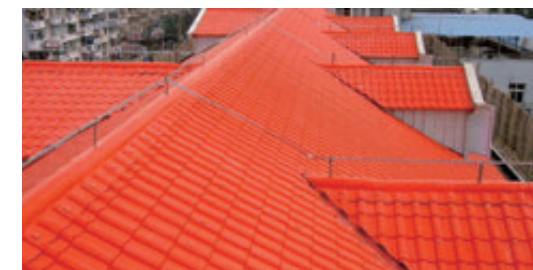


5. Good impact resistance and low temperature resistance

Kinlong synthetic resin shingles have strong external bearing capacity. After experiments, a 1kg steel ball dropped freely from a height of 3m will not cause cracks in the shingles, and its impact resistance at low temperatures is also very significant.



9. Excellent waterproofing performance



10. Excellent insulating property

Kinlong synthetic resin shingles are insulating products that will remain intact even when subjected to accidental discharge.



3. Good sound insulation



6. Excellent self-cleaning performance

The surface of Kinlong synthetic resin shingles is dense and smooth, with a "lotus leaf effect". It is not easy to adsorb dust, and once washed away by rainwater, it becomes clean as new. The dirt on the shingle surface will not appear mottled or discolored after being washed away by rainwater.



11. Green environment-friendly

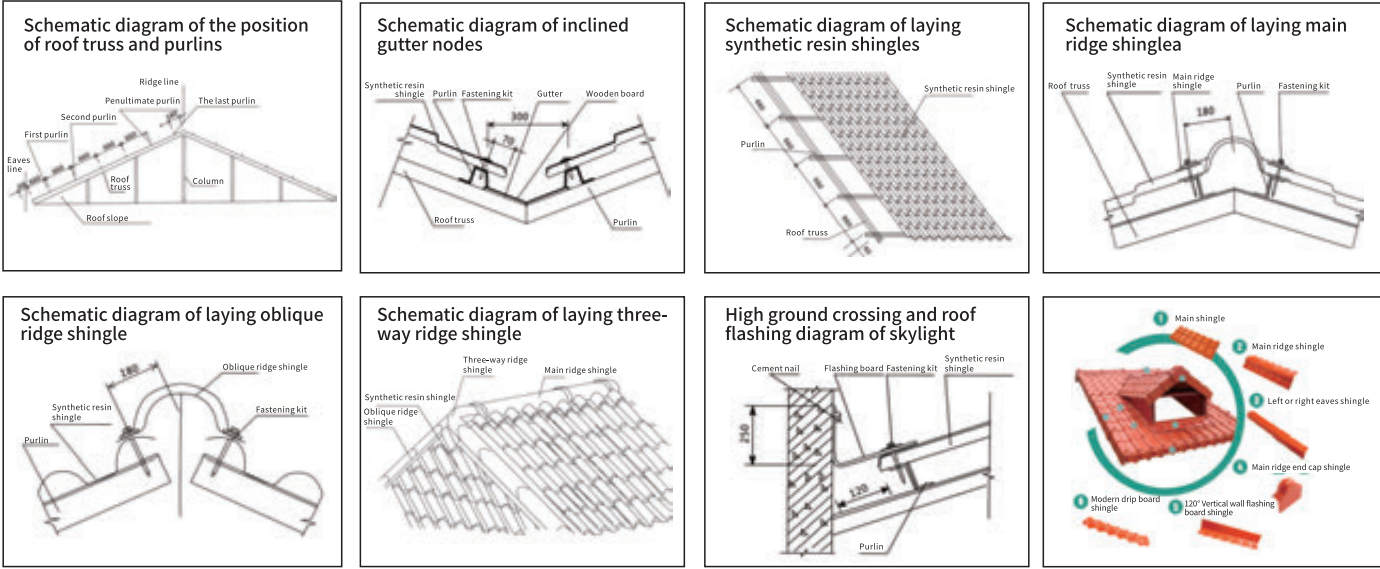
Kinlong synthetic resin shingles do not contain asbestos and radioactive elements, and can be recycled, fully meeting the requirements of green environmental protection.



12. Quick installation

The effective width of Kinlong synthetic resin shingle can reach 960mm, with high paving efficiency; Lightweight, easy to load and unload, with complete installation accessories.

Installation drawing of synthetic resin shingle



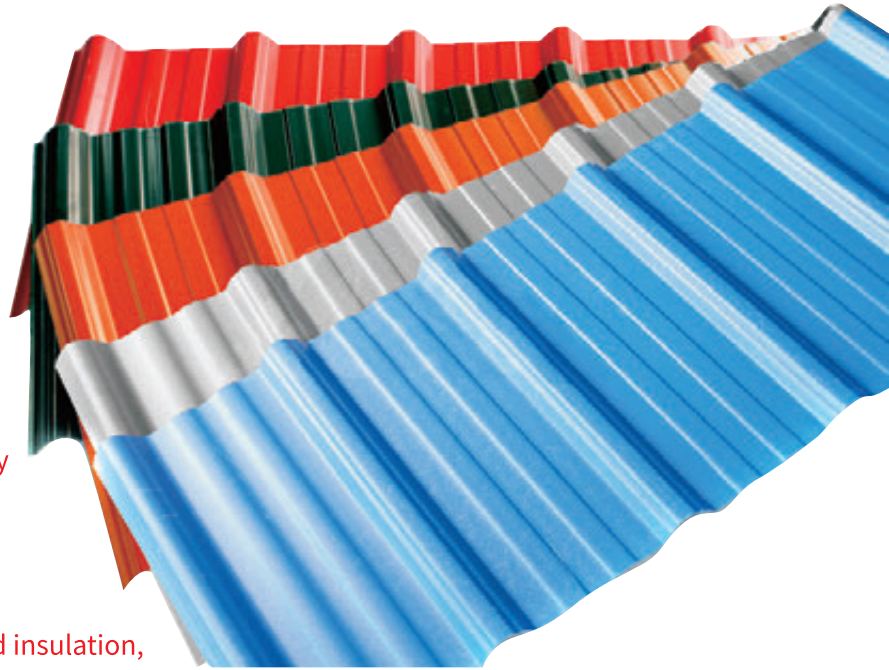
Construction standard of resin shingle and anti-corrosion shingle

- 1: Before installation, this product must be inspected. If any unqualified products are found, please do not install them and contact the manufacturer in a timely manner.
- 2: Installation slope: This product is suitable for roofs with a slope of ≥ 25 degrees.
- 3: Purlins: When installing this product, the top purlin is 180mm away from the ridge line, making it easy to install the right ridge tiles. The bottom purlin is 50-70mm away from the eaves, and the spacing between resin tile purlins is designed to be 660mm, while ordinary PVC tiles are designed to be 600mm. High wave PVC tiles will be increased according to the waveform design, and the specific distance will be determined based on the waveform. Please refer to relevant standards for the size and thickness of all purlins and other materials, and ensure the safety and stability of all structures to avoid bending purlins and other materials that may cause deformation or water leakage of this product, or even accidents.
- 4: Setting out before installation: Before installation, set out according to the on-site roof situation, which helps to achieve horizontal and vertical alignment, ensure installation quality, and achieve aesthetic results.
- 5: Installation of main shingles: When installing the main shingles on two sloping roof, the installation of the first shingle is the most important. It is necessary to ensure that the bottom edge of the shingle is perpendicular to the centerline of the ridge shingle and does not tilt. After aligning the position, fix the shingle at the center position (wave peak) of the lowest purlin and shingle. To prevent tilting and unevenness caused by unidirectional overlap, the main resin shingle should be installed horizontally in a top and bottom arrangement, that is, the second shingle should be pressed against the first and third shingles. The fourth shingle is pressed against the third and fifth shingles and each is overlapped with a shingle wave, and so on. When fixing the shingles, the waterproof ring is first placed in the groove under the protective pad. And pass the self tapping screw through the center hole of the protective pad (with the curved surface facing downwards). The electric drill should be perpendicular to the shingle surface, and the tightness of the screw should be moderate when tightening the shingle. After completion, install the waterproof cap. If the screws are tightened too tightly during installation, resulting in deformation, cracking, etc., it will sharply shorten the service life of this product. During the installation process, it is necessary to check the perpendicularity of the shingle bottom edge and the construction line at any time, and confirm that there are no errors before installing the fixed parts completely. When overlapping is required for longitudinal installation, it is necessary to overlap one segment of the shingle. The installation of the main shingles on two sloping roofs should be carried out simultaneously on both sides to ensure that the peaks of the installation of the front ridge shingles match. Self tapping screws with reaming holes must be used when the main shingle is installed more than 4m to reduce the risk caused by thermal expansion of PVC. All resin shingles or PVC shingles cannot be covered on insulation cotton, iron sheet shingles or other shingles. (It can cause deformation and cracking due to excessive temperature). It is not recommended to use this product in special high-temperature workshops, as it may cause deformation and cracking due to excessive temperature. When the space under suspended ceilings or shingles is too small, good ventilation must be ensured to reduce the temperature of the space under the shingles and avoid product deformation or cracking. When using steel purlins for installation, it is recommended to use enlarged self tapping screws, while wooden purlins use self tapping screws. When using steel purlins, if ordinary self tapping screws are used, holes larger than 2mm in diameter of the self tapping screw must be drilled on the wave crest to be fixed first, and a set of accessories must be fixed every other wave crest. Four slope roof installation: Install the main shingles first (using the same method as two slope roofs). After the installation of the main shingle, install the triangular roof on both sides.
- 6: Installation of main ridge shingles: The main ridge shingles should be installed on the ridge of the roof, starting from one side of the main shingle area. The overlap of the first main ridge shingle should avoid overlapping with the overlap of the main shingle, and a waveform should be overlapped between the two main ridge shingles. Never forcibly change the shape or angle of the front ridge shingle during installation, otherwise it may rupture in a short period of time.
- 7: Installation of oblique ridge shingles: The oblique ridge shingles are installed on the triangular oblique edge of a sloping roof. During installation, they should be aligned and fixed on the main shingle purlin, and finally, the end of the ridge shingles should be installed.
- 8: Installation of three-way ridge shingles: The three-way ridge shingles are installed at the intersection vertex of the three sides. After the installation of the main and oblique ridge shingles, the three-way ridge shingles are installed. When installing the three-way ridge shingles, one side is overlapped below the main ridge shingles, and the other two sides are overlapped above the oblique ridge shingles.
- 9: Installation of eaves shingles: The eaves shingles should be installed at the same time as the bottom section of the main shingle, and fixed to the purlin with double layers of self tapping screws at the end of the main shingle. If the distance between the main shingle eaves and the purlins is too long, and the length of the sealing eaves is not enough, use bolts to fix them separately.
- 10: Roof node treatment: gable flashing is used for flashing at the junction of roof and parapet wall. One end is fixed on the wall with nails, and the other end is fixed on the shingle.
- 11: Safe construction and completion cleaning: To ensure safety, when working on slopes, construction personnel first check whether the roof purlins are stable and fixed. During construction, they must step on the purlins and not on the shingles between the purlins. Synthetic resin shingles should be stacked along the slope, with no more than 3 pieces per stack. It is prohibited to place materials on unfixed purlins to prevent them from rolling down or being blown off by strong winds. When constructing on sloping roofs, anti slip ladders must be used. Construction personnel must fasten their safety belts; Construction is prohibited on rainy, snowy, and six level winds. After the installation of the roof shingles, it is necessary to clean the scattered materials on the roof. If there are any drilling errors, resin glue can be used to seal them.
- 12.: Please contact the manufacturer promptly when encountering other problems during the construction process.

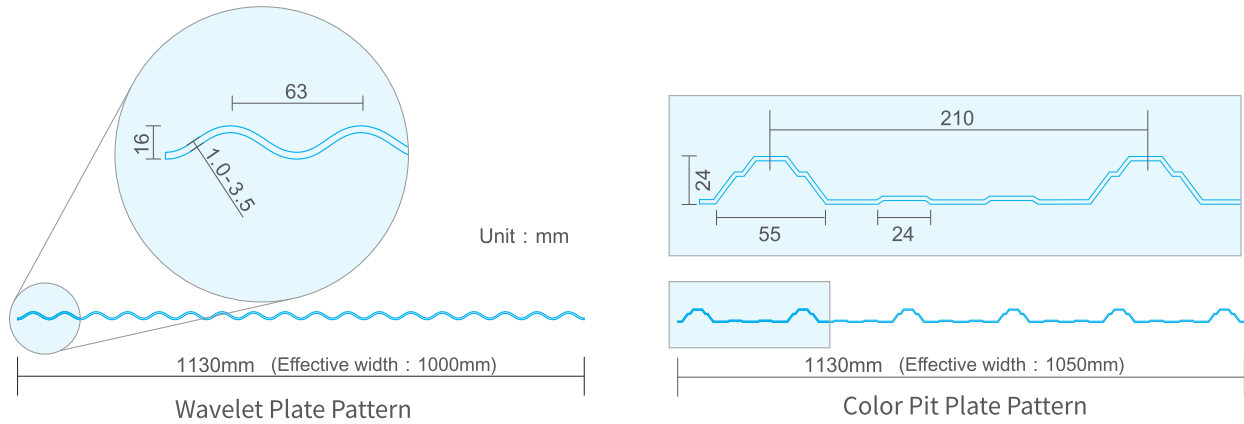
ASA/PVC super weather resistant composite shingle

25 years warranty

- Long lasting color
- Green and environmentally friendly
- Excellent corrosion resistance
- Excellent weather resistance
- Excellent thermal insulation, sound insulation, and fire resistance performance



This product is a dual color three layer or three color three layer super weather resistant anti-corrosion composite shingle, with the surface material being ASA super weather resistant engineering resin. The middle layer is made of polyvinyl chloride resin (PVC) with excellent rigidity and toughness. The bottom layer material is white ductile wear-resistant material to increase the spatial sense, brightness, and wear resistance of the factory building.

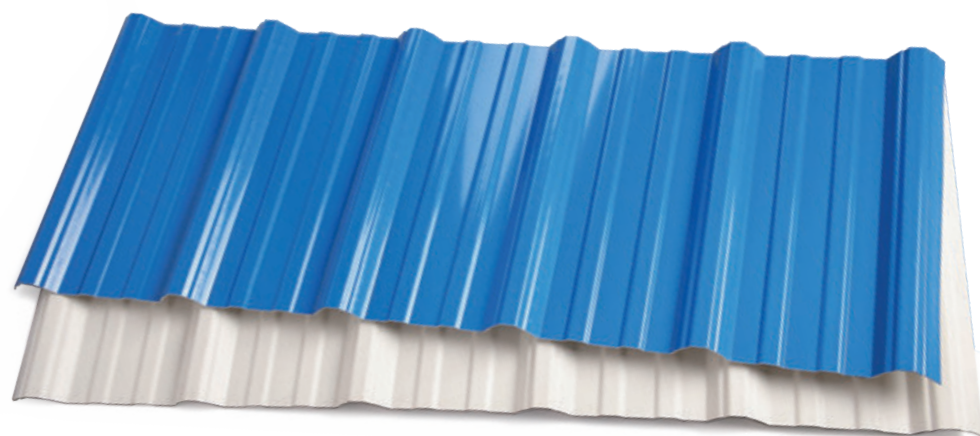


Product specifications and parameters

Thickness	1.5mm-3.0mm	Width	930mm/1130mm
Length	Customized according to client requirements	Color	Blue, Purplish red, Grey, Brick red, Darlgreen

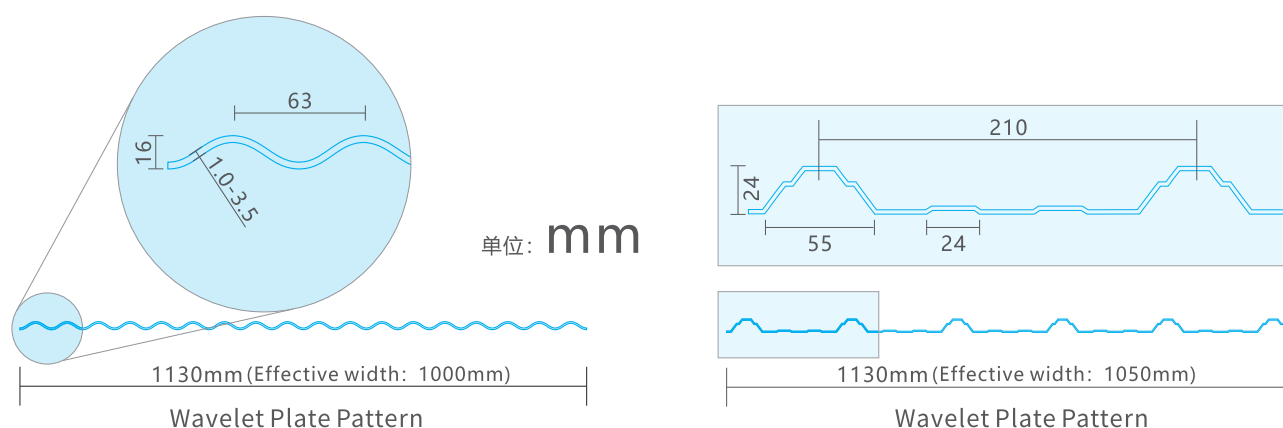
APVC super weather resistant composite shingle

15 years warranty



- Super anti-aging
- Excellent corrosion resistance
- Excellent weather resistance
- Excellent thermal insulation, sound insulation, and fire resistance performance

This product is processed in one go using two-layer or three-layer co extrusion technology. The surface material is weather resistant resin, supplemented by UV anti ultraviolet agents and high-quality additives, to ensure the durability and chemical corrosion resistance of the product. The intermediate material is a light resistant modified PVC material with excellent rigidity and toughness, ensuring thickness while increasing rigidity. The bottom layer material is white ductile wear-resistant material to increase the sense of space and brightness of the factory building.

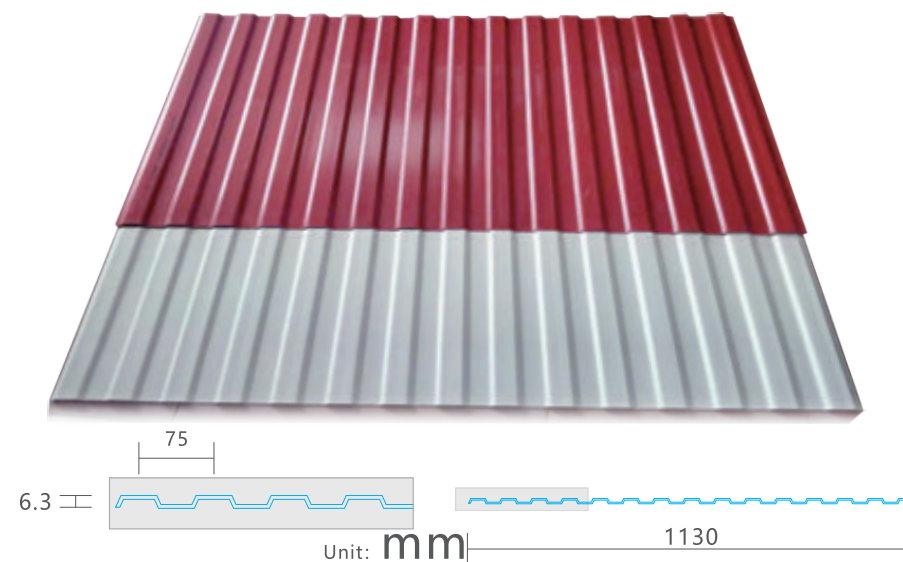


Product specifications and parameters

Thickness	1.5mm-3.0mm	Width	930mm/1130mm
Length	Customized according to client requirements	Color	<div>Width</div> <div>Grey</div> <div>Yellow</div> <div>Green</div> <div>Blue</div> <div>Red</div>

ASA/PVC wall panel

15 years warranty



UPVC anticorrosive and weather resistant shingle

10 years warranty



- Features: fire prevention, acid resistance, alkali resistance, anti-aging

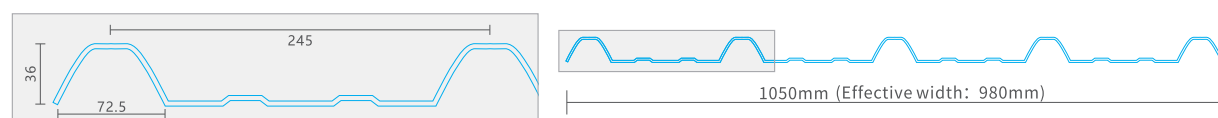
The main raw material is ordinary polyvinyl chloride resin PVC, high-quality additives, scientifically proportioned, and made with advanced technology.

980 type anticorrosive and weather resistant shingle (Pressure resistant reinforced type)

15years warranty

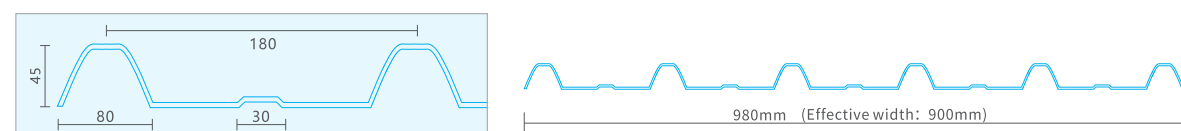


- Super anti-aging
- Excellent weather and corrosion resistance performance
- Anti leakage water
- High strength



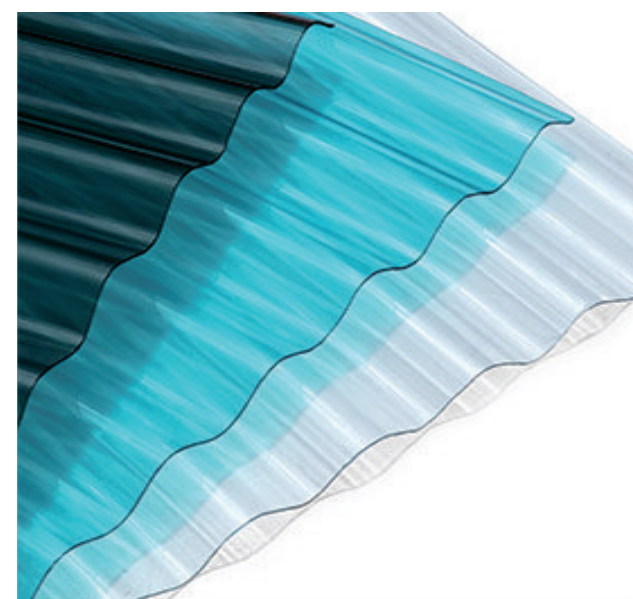
900 type high wave anti-corrosion and weather resistant tile

15years warranty



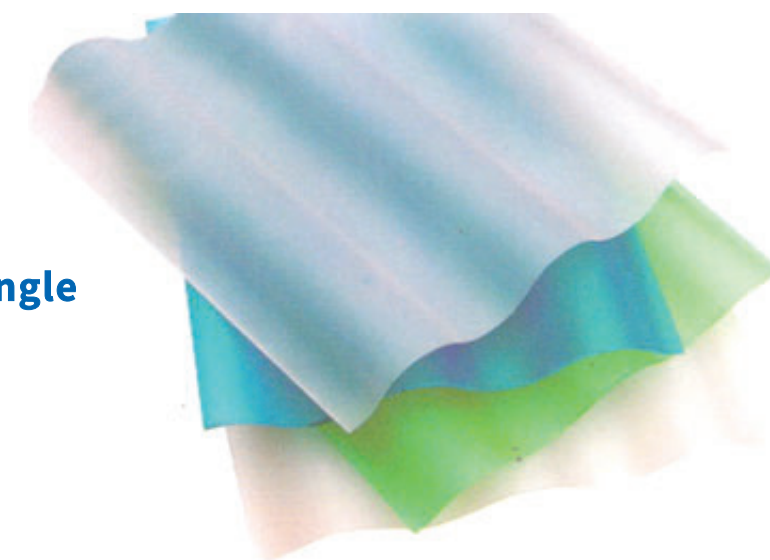
FRP transparent shingle

10 years warranty



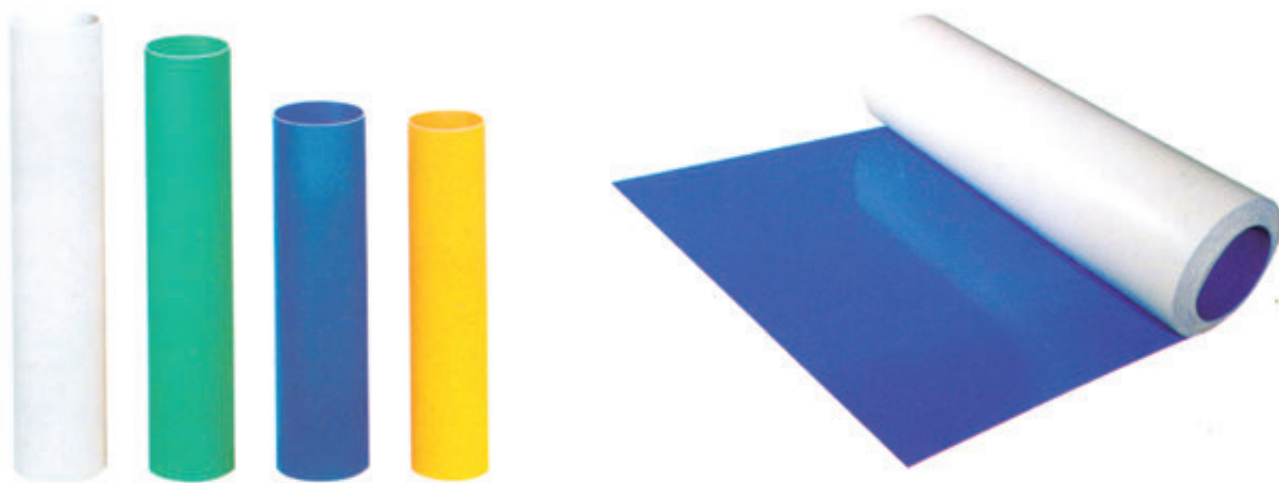
PC transparent shingle

PVC semi transparent shingle

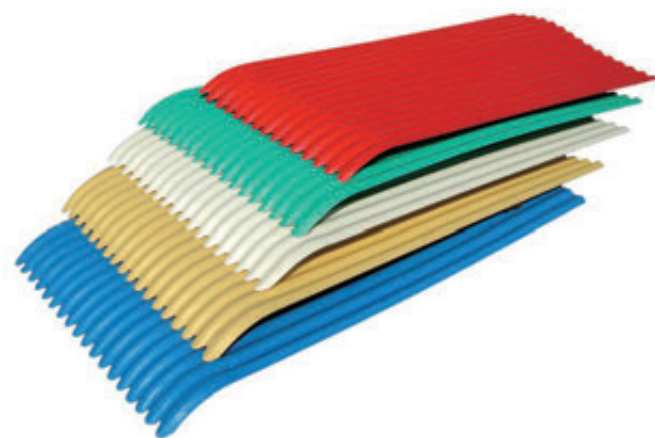


PVC flat plate、PVC transparent flat plate

The main raw material is polyvinyl chloride resin PVC, high-quality additives, scientifically proportioned, and made with advanced technology.



Curved colored shingle



PVC ridge shingle



PVC sink and accessories

PVC sink replaces iron water tank, which is acid and alkali resistant, beautiful and durable, and easy to construct, time-saving and labor-saving.



Water outlet



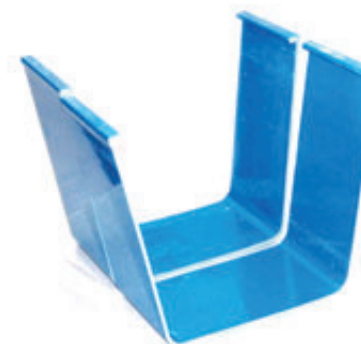
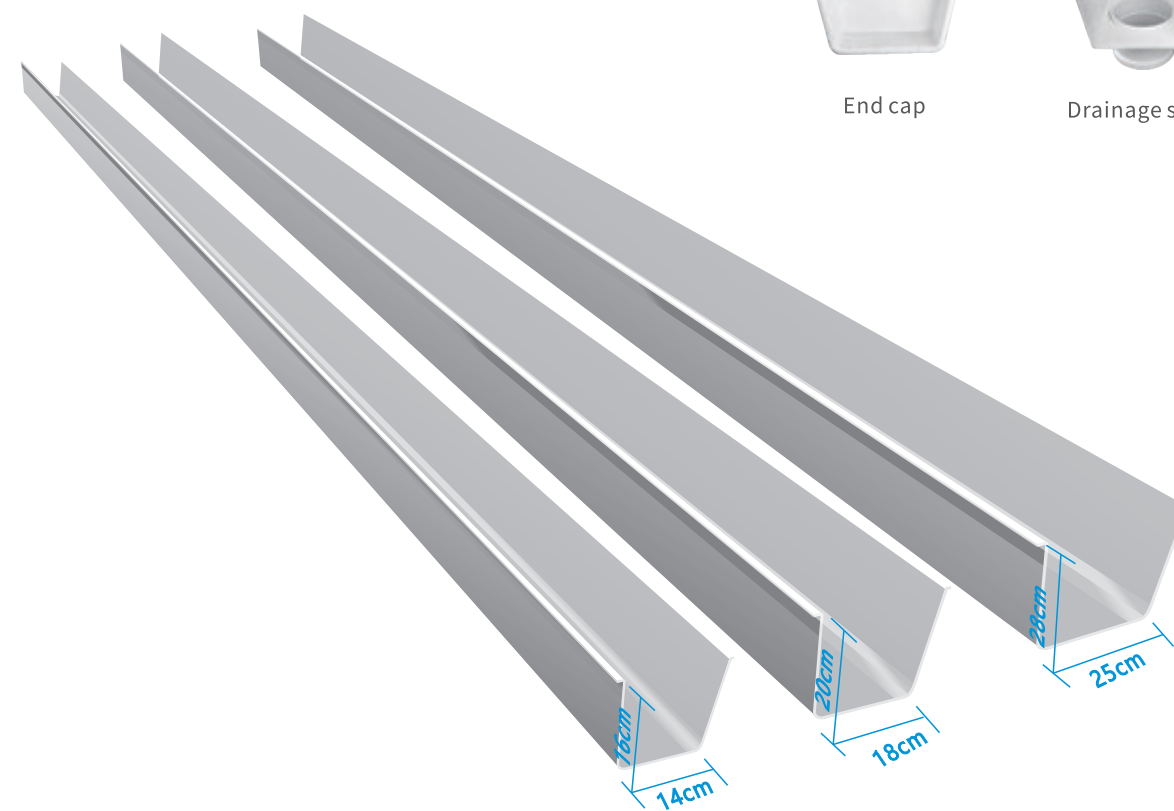
Flat joint



End cap



Drainage seal



The blue sink has extremely strong toughness
Solve the problems of short service life, easy damage during transportation and construction of ordinary water tanks.

Al-Mg-Mn Metal Roofing Tile Series

Self-Locking Metal Panel



Lightweight



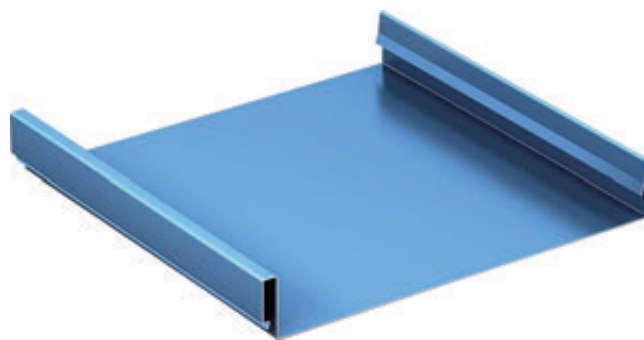
High Strength



Durable and
Weather-Resistant

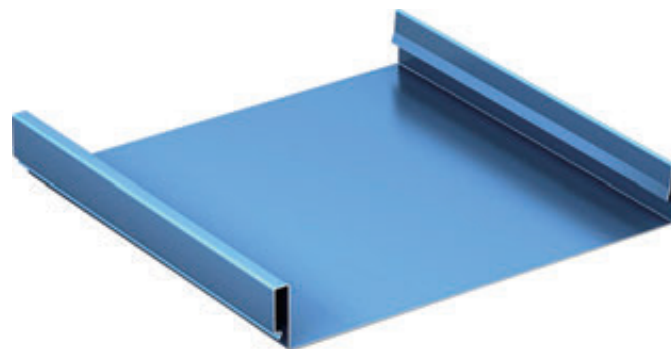


Long Service Life



Excellent Ductility

Easy for construction and on-site processing.
Can be shaped into a variety of architectural forms such as curved, arched, and spherical surfaces. etc.



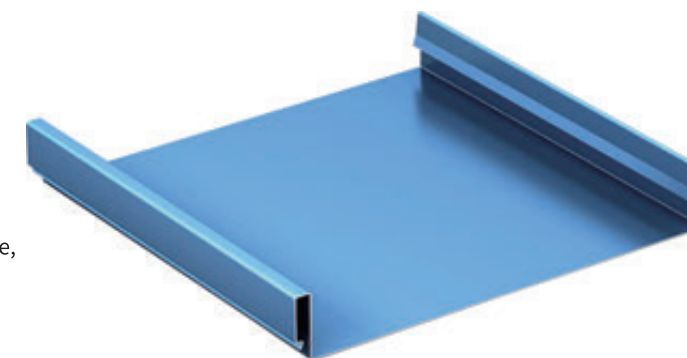
Product introduction

Product Width: 300mm~700mm

Product Height : 35mm

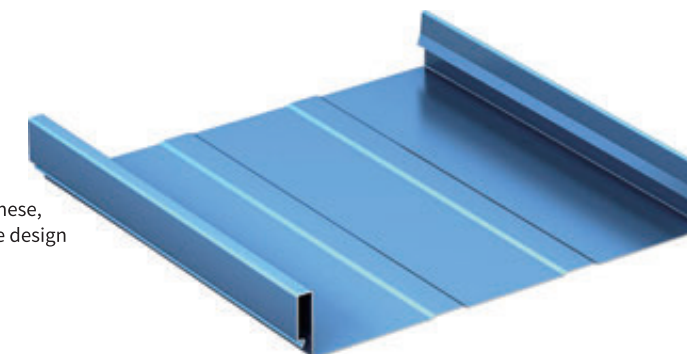
Product Length: Unlimited

Available substrates : Al- Mg- Mn alloy plate, Titanium-Zinc plate, Galvanized Aluminum Color-Coated plate, Copper plate.



Resistant to Various Types of Acidic Corrosion

Premium materials such as titanium-zinc, aluminum-magnesium-manganese, or copper provide natural corrosion resistance, significantly extending the design service life of the panel.



Al-Mg-Mn Metal Roofing Tile Series

Horizontal Metal Roofing Tile

A ideal choice for wall and roof applications



Lightweight



High Strength



Durable and Weather-Resistant



Long Service Life



Al-Mg-Mn Metal Roofing Tile Series

High-performance metal roofing products with a 50-year design life

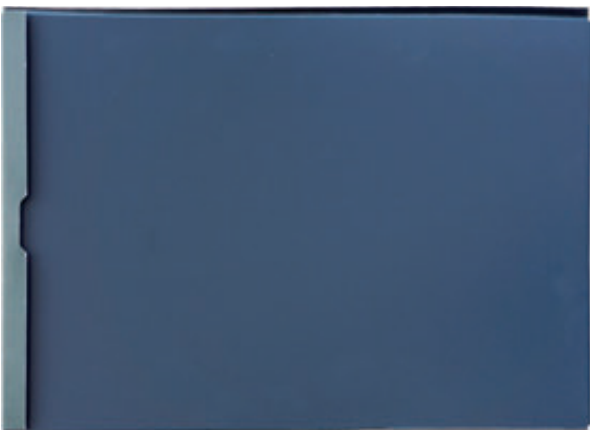


Al-Mg-Mn Metal Roofing Tile Series

Various surface treatment

Types of Surface treatment

- 1.Reinforced Polyester
- 2.Self-cleaning
- 3.Silicon-Modified Polyester
- 4.High Weather-Resistant Polyester
- 5.Fluorocarbon (pvdf)



Product name: Horizontal Metal Roofing Tile
Product size:300*400mm
Tile Coverage: 8.5 pcs/m²
Available Colors: Full PVDF Color Range
Aluminum-Magnesium-Manganese Horizontal Roofing Tile
Steep Roofs (Slope > 60°)
Metal flat tiles are ideal for steep roofs. The lightweight and durable Al-Mg-Mn alloy panels feature a snap-lock structure with no exposed fasteners, offering excellent wind resistance.



Al-Mg-Mn Metal Roofing Tile Series

High-Rib Profiled Metal Roofing Tiles

Al-Mg-Mn plates are most-effective roofing and cladding material, contributing significantly to the development of modern architecture that is comfortable, lightweight, durable, economical, and eco-friendly.



Excellent electrical conductivity

Non-magnetic and low spark sensitivity help prevent electromagnetic interference and reduce flammability risks in special environments.



High Temperature Resistance



UV Resistance



Corrosion Resistance



Low Temperature Resistance

Al-Mg-Mn Metal Roofing Tile Series

Lightweight: Aluminum has a density of 2.73g/cm³, only 1/3 that of steel



High Standing Seam Metal Roofing Tiles

Product introduction

Product Width:250mm-500mm

Product Height:65mm

Available substrates: Al-Mg-Mn alloy plate, Titanium-Zinc plate, Galvanized Aluminum Color-Coated plate, Copper plate



Seamless roof with no perforations, ensuring structural waterproofing and efficient drainage;

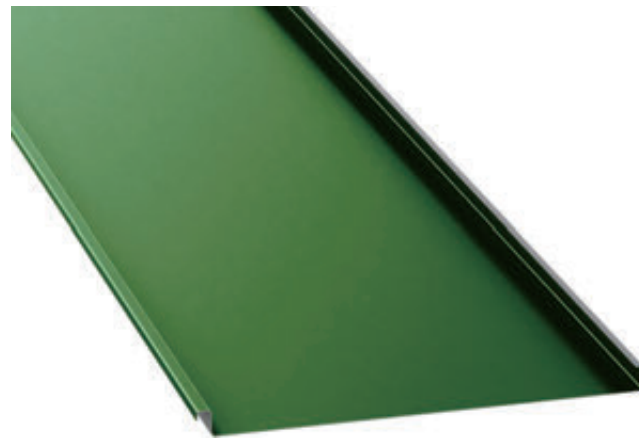
No chemical sealants required — free from pollution and aging issues; Natural circulation ventilation system enhances the building's lifespan;

3D curved designs is easily accommodated

Installation: Fast, safe, and precise.

Al-Mg-Mn Metal Roofing Tile Series

Low-Rib Profiled Metal Roofing Tiles



Available with high-end substrates (Titanium-Zinc plate, Al-Mg- Mn alloy plate, Copper plate) can be used

Self-rusting resistance function significantly extend the panel's design lifespan.



High Temperature Resistance



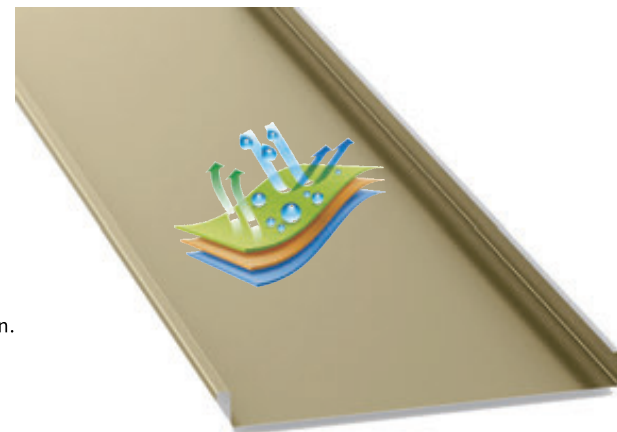
UV Resistance



Corrosion Resistance

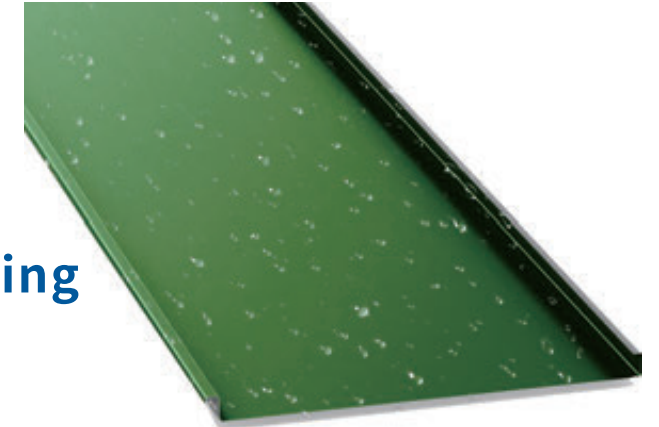


Low Temperature Resistance



Al-Mg-Mn Metal Roofing Tile Series

Panels are locked using mechanical seamers, with no exposed fasteners, ensuring excellent waterproofing.



Seamed Joint Locking

Product introduction

Product Width:200mm-700mm

Product Height:25mm、35mm

Available substrates: Al-Mg-Mn alloy plate, Titanium-Zinc plate, Galvanized Aluminum Color-Coated plate, Copper plate

The Standing Seam System is a 360-degree double-folded surface-supported roofing system. Panel seams are mechanically locked, ensuring complete waterproofing and leak resistance. It allows for full interlocking regardless of roof shape, leaving no nail holes and enabling thermal expansion and contraction without stress — eliminating the risk of leaks associated with screw-fastened systems.



Al-Mg-Mn Metal Roofing Tile Series

Art Metal Roofing Tiles

Diamond Flat Lock System——

Remember the past
Showcase the future



Natural Corrosion- Resistant Titanium-zinc adoptable for substrates

Common substrates include Al-Mg-Mn alloy plate and
Titanium-Zinc plate are often selected for Art Metal Tiles

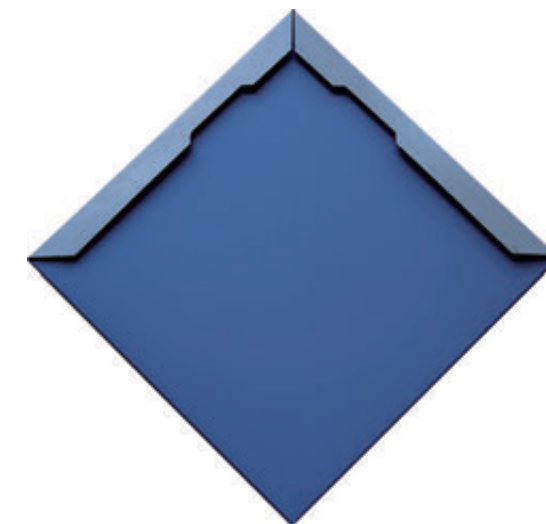


Al-Mg-Mn Metal Roofing Tile Series

Diversified Surface treatment

Types of Surface treatment.

- 1.Reinforced Polyester
- 2.Self-cleaning
- 3.Silicon-Modified Polyester
- 4.High Weather-Resistant Polyester(pvdf Fluorocarbon (pvdf)



Diamond-Shaped Flat Lock

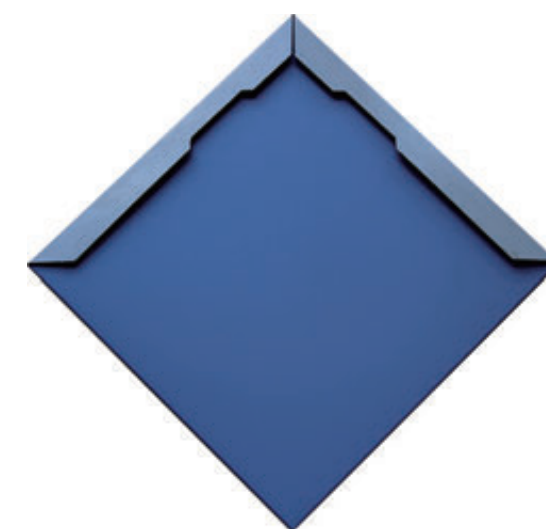
Product introduction

Product Width:300mmx300mm

Product Height:280mmx280mm

Tile Quantity per Meter: 12.76pc/m²

Available substrates: Al-Mg-Mn alloy plate, Titanium-Zinc plate,
Galvanized Aluminum Color-Coated plate, Copper plate.



Al-Mg-Mn Metal Roofing Tile Series

Metal Fish Scale Roofing Tiles

Mainly used for villas, exhibition halls, clubs, holiday resorts, stadiums, terminals and other public buildings.



Excellent Ductility

Metal Fish Scale Roofing Tiles are easy to install and process, adoptable to various irregular roof shapes, and enhance the unique architectural character.



Curved Surface



Arched Surface



Spherical Surface



Al-Mg-Mn Metal Roofing Tile Series

Hidden Installation for a Clean Appearance

Optimized roof structure reduces costs. The concealed lock system leaves no exposed fasteners, ensuring maximum waterproof performance.



Metal Fish Scale Roofing Tiles

Product introduction

Product Size:200mm×210mm

Effective Size:185mm×210mm

Presented in a phoenix-tail design, this artistic tile embodies classic European royal style with a retro touch,Featuring a conical convex surface and a rich variety of colors, it delivers a high-end, elegant, and sophisticated aesthetic, blending vintage charm with a modern flair.

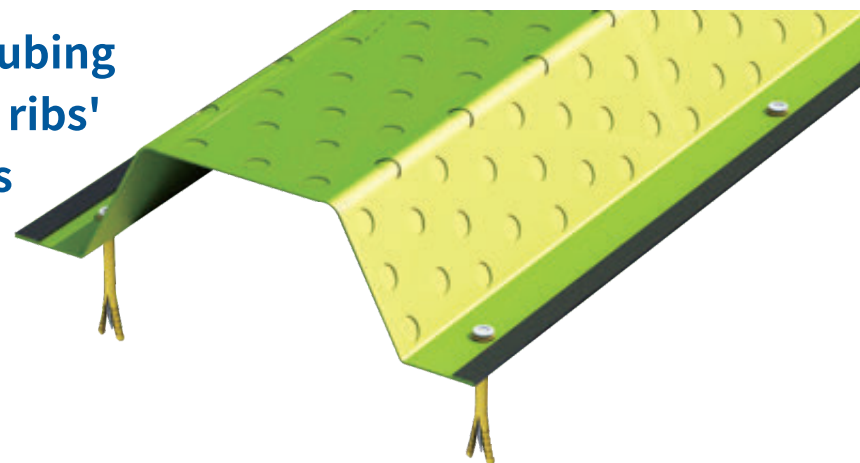


Al-Mg-Mn Metal Roofing Tile Series

Metal Cladding Strips



High-strength metal tubing with '8 reinforcement ribs' significantly enhances the strength of the cladding strips.



Al-Mg-Mn Metal Roofing Tile Series

Metal cladding strips and water strips use aluminum-zinc coated steel plates with an anti-corrosion coating of no less than 100g



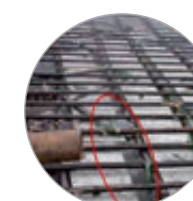
Resistant to bending



Corrosion resistance



Not-flammable



Free from obvious defects



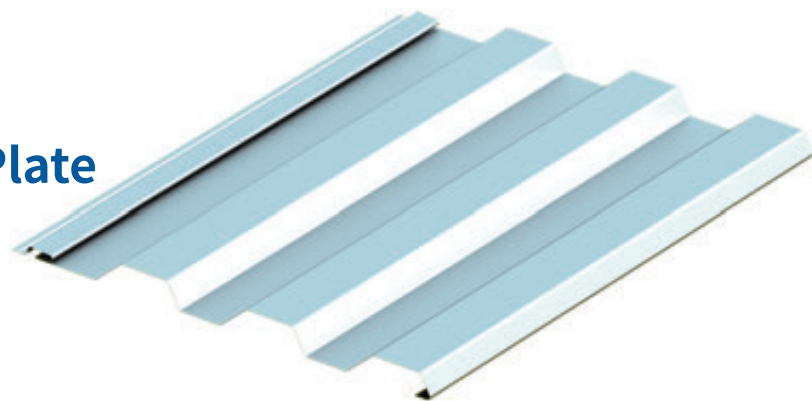
Insect resistance



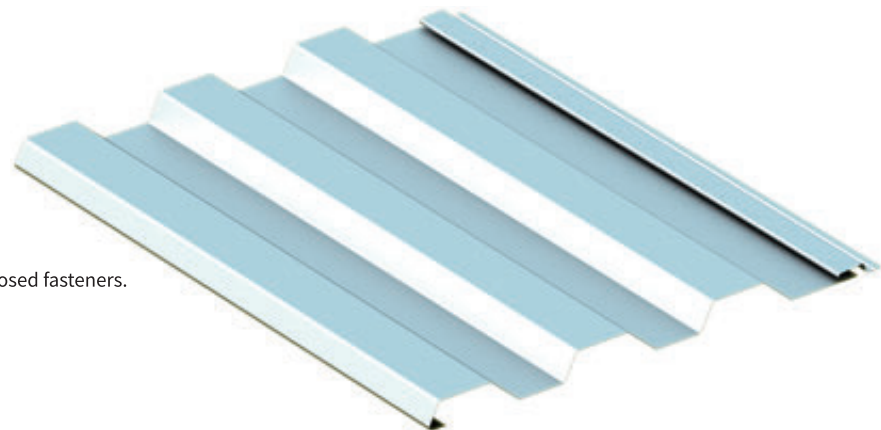
Break resistance

Al-Mg-Mn Metal Roofing Tile Series

Hidden Profiled Steel Plate



Details: High-precision roll forming for enhanced three-dimensionality with a concealed structure.
Advantages: high strength, easy installation, no exposed fasteners.

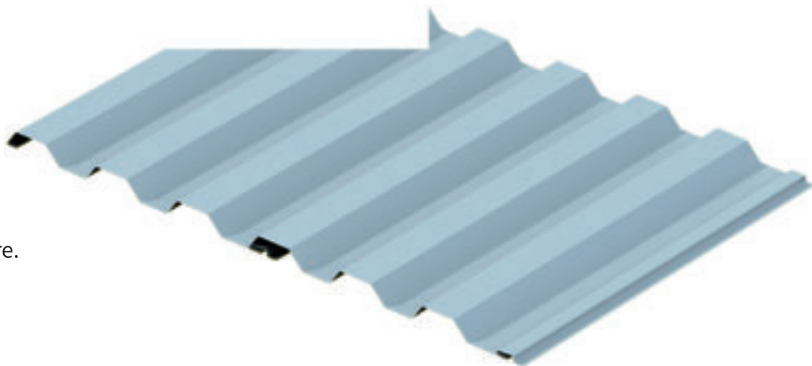


Al-Mg-Mn Metal Roofing Tile Series

The hidden hook-lock system ensures a seamless surface with no visible screws after installation.



Product Thickness:0.5-0.8mm
Product Height:21mm
Product Width:350mm
Product Length: 不限
Product color:Natural aluminum-zinc finishing
Custom colors available for orders of 1,000 m² or more.



Polymer Wood Grain Roofing Tile

Polymer Wood Grain Roofing Tile

Excellent Weather Resistance
Resistant to harsh weather and natural disasters such as severe cold, hail, storms, rain, snow, extreme heat, and earthquakes.



Polymer Wood Grain Roofing Tile

Recyclable and environmentally friendly



Polymer Wood Grain Roofing Tile

Polymer Wood Grain Roofing Tile

Mainly used for villas, resorts, scenic areas and so on, with a variety of color options available.



Polymer Wood Grain Roofing Tile

Product introduction

Product size:1050MMX475MM

Effective size:1000MMX450MM

Product weight:1.2KG/PC

Product color: 7 basic colors

Polymer wood grain tiles are suitable for wall and roof applications. Made from advanced polymer materials, they offer excellent weather resistance, waterproofing, moisture resistance, anti-corrosion, and anti-mold properties. They are durable, easy to install, and widely used in villas, resorts, and scenic areas.



Synthetic Thatch Roofing Tile Series

Thatch Roofing Tile

PE-BZ016

Material: PE/Galvanized Clip

Specifications:500*500MM

Application: Used for outdoor high-rise construction; features excellent corrosion resistance, superior UV protection, and a fluffy appearance closely resembling natural thatch.



Thatch Roofing Tile

PE-BZ011

Material: PE/Galvanized Clip

Specifications:500*500MM

Application: Used for outdoor high-rise construction; features excellent corrosion resistance, superior UV protection, and a fluffy appearance closely resembling natural thatch.



Synthetic Thatch Roofing Tile Series

Thatch Roofing Tile

PE-1803

Material: PE/Galvanized Clip

Specifications:500*500MM

Application: Used for outdoor high-rise construction; features excellent corrosion resistance, superior UV protection, and a fluffy appearance closely resembling natural thatch.



Thatch Roofing Tile

PE-BZ001

Material: PE/Galvanized Clip

Specifications:500*500MM

Application: Used for outdoor high-rise construction; features excellent corrosion resistance, superior UV protection, and a fluffy appearance closely resembling natural thatch.



Color Stone Metal Roofing Tiles

Color Stone Metal Roofing Tiles

Combines the classic style of traditional tiles with enhanced uniqueness for modern roofs.



Metal surface material adopt Class A fireproof materials

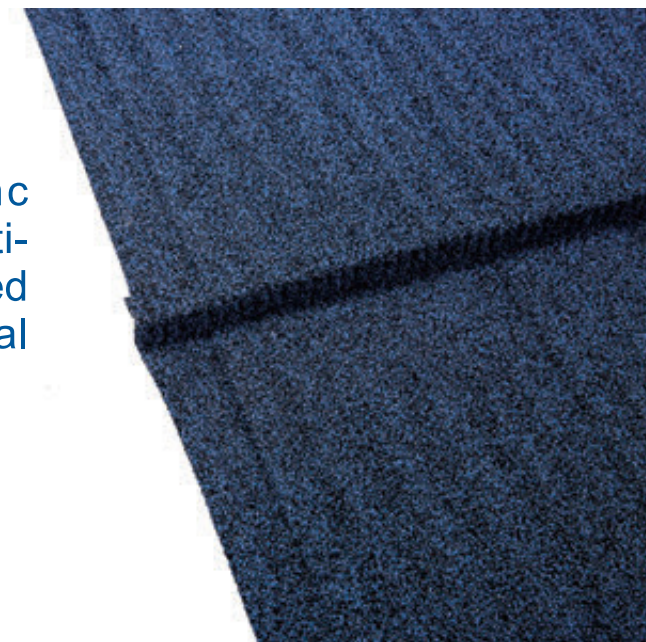
Manufactured to prevent the spread of fire in case of ignition.



Color Stone Metal Roofing Tiles

Base material is aluminum-zinc coated steel plate, featuring multi-layer protection with fluorine-modified polymer acrylic resin and natural basalt colored granules

Manufactured to prevent the spread of fire in case of ignition.



New Wood Grain Roofing Tiles

Product introduction

Product Width:1330mmx410mm

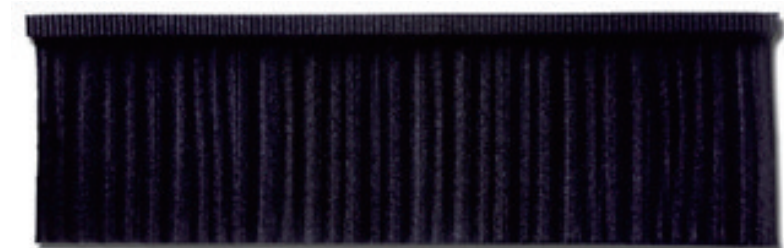
Product Height:1260mmx370mm

Number of tiles per:2.15pc/m²

Product Weight:2.55kg/pc

Product color:12 basic colors

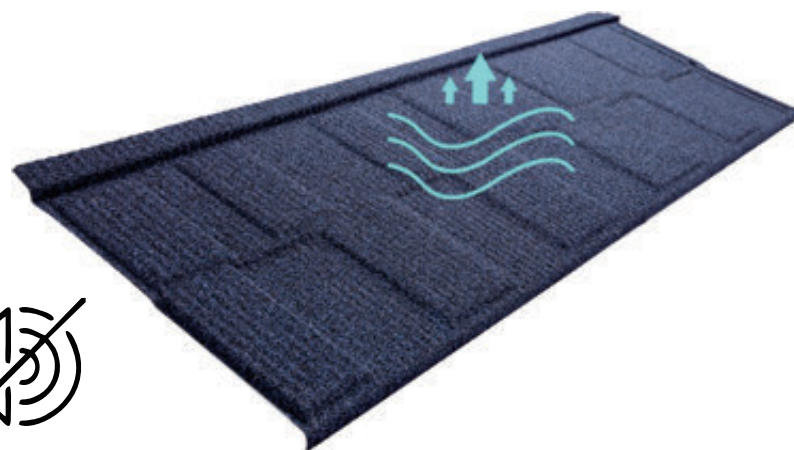
Applicable for roofing projects, featuring lightweight, wind resistance, waterproofing, corrosion resistance, weather resistance, and seismic resistance.



Color Stone Metal Roofing Tiles

Reduce Noise

Buffering the impact of rain and significantly reducing noise



Moisture Protection / Mold Protection / Corrosion Resistance

Using aluminum-zinc coated steel as the base material, a multi-layer polymer protective film effectively extends the service life without cracking, shrinking, or curling.



Color Stone Metal Roofing Tiles

Strong Wind Resistance

Horizontal nailing construction combined with buckle-type installation provides double wind protection, achieving wind resistance up to 154 km/h



The Square Roofing Tile

Product introduction

Product Width:1300mmx410mm

Product Height:1240mmx370mm

Number of Paved Tiles:2.18pc/m²

Product Weight:2.55kg/pc

Product color: 12 basic colors

Applicable roofing projects, featuring light weight, strong wind resistance, waterproofing, corrosion resistance, weather resistance, and earthquake resistance.



Color Stone Metal Roofing Tiles

A New Generation of Exclusive Roofing Tiles

Using aluminum-zinc coated steel as the base material, a multi-layer polymer protective film effectively extends the service life without cracking, shrinking, or curling.



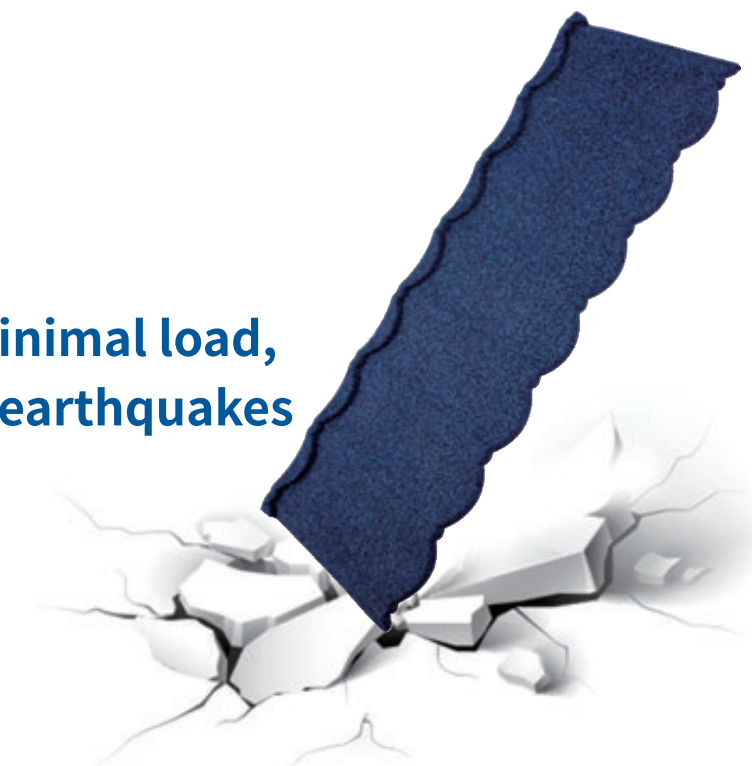
Will not crack in extremely cold areas

Exceptional performance in cold, windy, and freezing regions with large temperature fluctuations between day and night.



Color Stone Metal Roofing Tiles

Lightweight roof with minimal load, causing no harm during earthquakes



Exclusive Ones

Product Introduction

Product Width:1340mmx420mm

Product Height:1270mmx370mm

Number of Paved Tiles:2.13pc/m²

Product Weight:2.13kg/pc

Product color: 12 basic colors

Applicable for roofing projects, with light weight, wind resistance, waterproofing, corrosion resistance, weather resistance, and earthquake resistance.



Color Stone Metal Roofing Tiles

Craftsmanship's Spirit, Creating Excellence

Application: Steel Structure, Wood Structure, Concrete Structure
Various Towers, Ppyramids, Curved Surfaces, Steep Roofs and other buildings.



Environmental Protection Raw Materials



Silent Shock Absorption



Pressure Resistance and Anti-Fall



Waterproof and Cold Resistance

Lightweight /Flexible / Cutttable

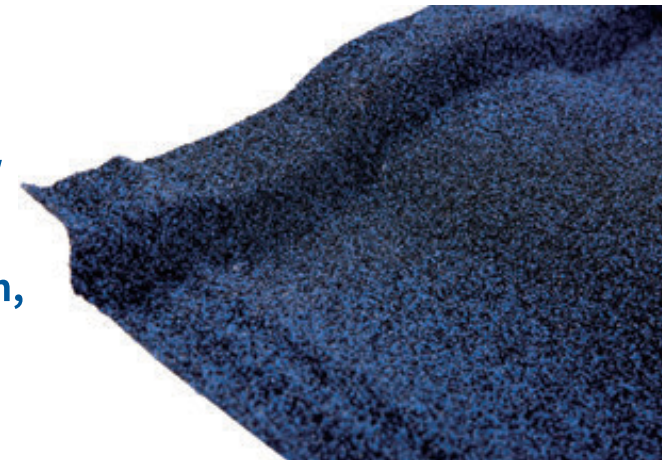
Firmly connected using a unique buckle design and structure,
with horizontal nail fixing for secure attachment.



Color Stone Metal Roofing Tiles

Details: High Precision Stamping/
Enhanced Three-Dimensional Effect/
Various Types

Advantages: Aesthetic, Long Lifespan,
Lightweight, Easily installation



Roman Type

Product introduction

Product Size:1300mmx420mm

Effective Size:125mmx370mm

Number of Paved Tiles:2.16pc/m²

Product Weight:2.6kg/pc

Product color: 12 basic colors

Applicable for roofing projects, with light weight, wind resistance,
waterproofing, corrosion resistance, weather resistance, and earthquake resistance.



Color Stone Metal Roofing Tiles

Quality Comes from "Life"

The aluminum-zinc coated steel plate is the base material, treated with multiple layers of protective film. It can withstand extreme cold, hail, storms, rain, snow, extreme heat, earthquakes, and other harsh weather conditions and natural disasters. It will not crack, age, catch fire, or be lifted by the wind, ensuring a long service life.

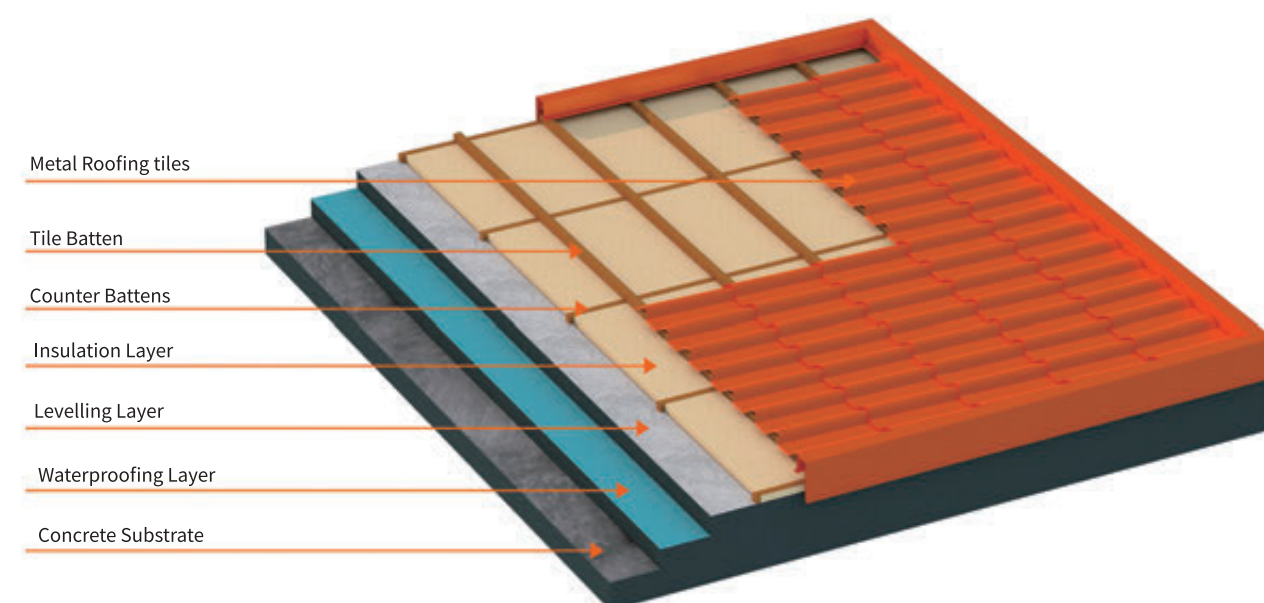


Strong Wind Resistance

The horizontal nail construction technology and the buckle installation further enhance wind resistance, with a high wind resistance capacity of up to 154km/h.



Color Stone Metal Roofing Tiles



And the Hwa

Product introduction
Product Width:1350mmx420mm
Product Height:1220mmx370mm
Number of Paved Tiles:2.22pc/m²
Product Weight:2.5kg/pc
Product Color: 12 basic colors

Applicable for roofing projects, with light weight, wind resistance, waterproofing, corrosion resistance, weather resistance, and earthquake resistance.



Al-Mg-Mn Metal Roofing Project Cases



Hunan



abroad



Sichuan



Fujian



zhejiang



Fujian

Al-Mg-Mn Metal Roofing Project Cases



Anhui



Zhejiang



Shandong



Henan



Fujian



zhejiang

Al-Mg-Mn Metal Roofing Project Cases



abroad



abroad



Jiangsu



Hainan



Shaanxi



Ningxia

Color Stone Metal Roofing Tiles Project Cases



Jilin



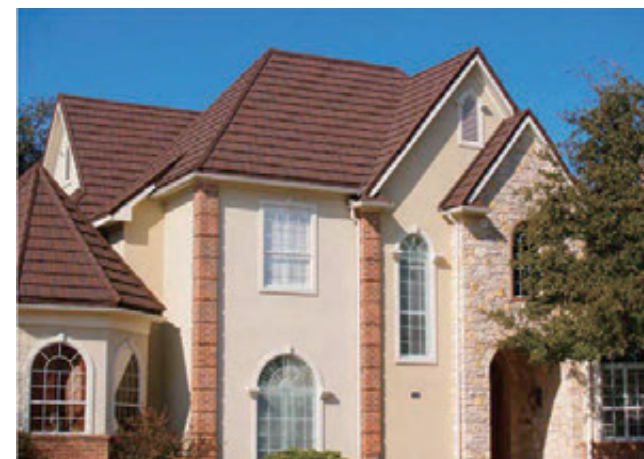
Gansu



Shanghai



Qinghai



Hubei



Xizang

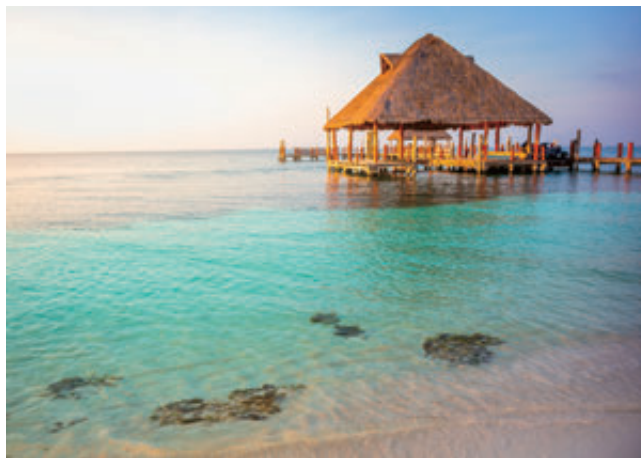
Synthetic Thatch Roofing Tile Project Cases



Hainan



Hainan



Hainan



Hainan



Guizhou



Guizhou

Polymer Wood-Grain Roofing Tiles Project Cases



Xinjiang



Xinjiang



Xinjiang



Xinjiang



Sichuan



Sichuan

Asphalt Shingles Project Cases



Henan



Henan



Hunan



Shanghai



Anhui



Sichuan

Resin Roofing Tiles Project Cases



Application in Tourist Attractions



Application in Tourist Attractions



Application in New Countryside Renovation



Application in New Countryside Renovation



Application in Villas



Application in Villas