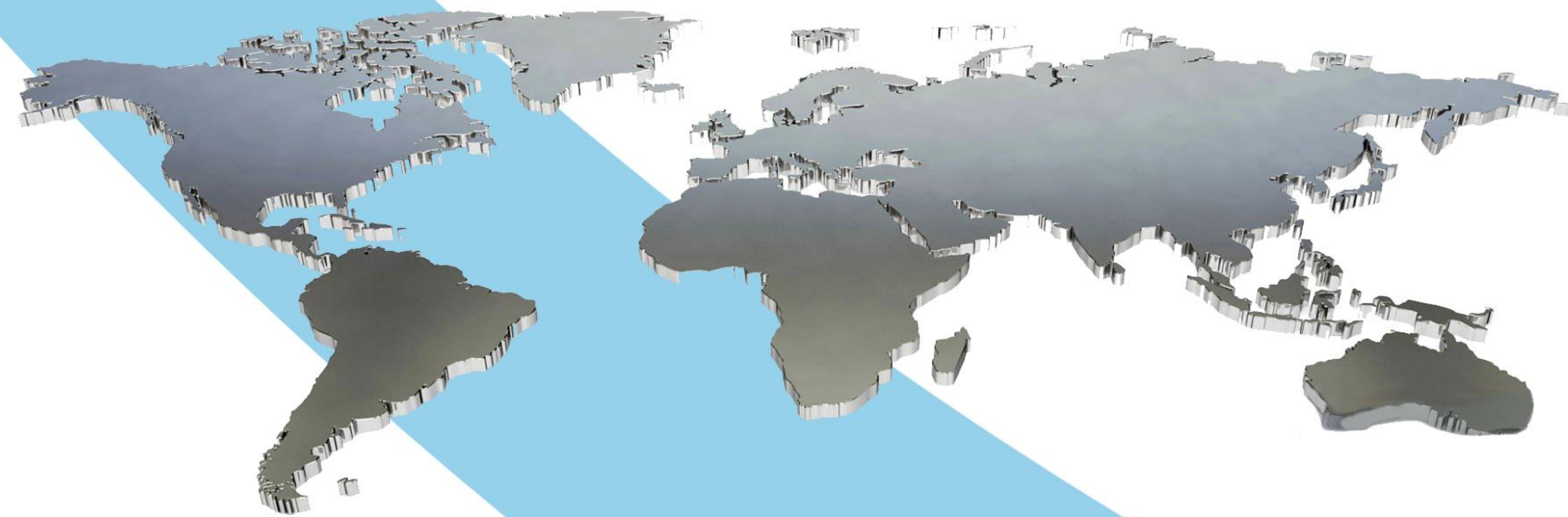


好房装好瓦好瓦广胜佳
Hao Fang Zhuang Hao Wa, Hao Wa 'Guang sheng jia'



天津广胜佳 智能科技有限公司

Tianjin Guang Sheng Jia Intelligent Technology Co.,Ltd

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广胜佳屋面产品 中国制造 为世界而造
GUANG SHENG JIA ROOFING MADE IN CHINA MADE FOR THE WORLD

企业介绍

COMPANY INTRODUCTION



企业文化

COMPANY CULTURE

天津广胜佳智能科技有限公司

是一家集研发、生产、销售环保屋面建材为一体的创新型企业。公司引进韩国先进的生产设备和技术，拥有一支专业的研发、生产与销售团队，致力于成为新一代环保屋面建材的世界品牌供应商。

公司位于天津市蓟州区，厂区占地面积80000㎡，拥有多条进口生产线，年产值达到500万㎡，产品主要系列有：硅钙古建筑瓦系列、彩石金属瓦系列、合成树脂瓦系列、铝镁锰金属瓦系列、彩钢瓦系列和各种配套配件等。

经过二十余年对新型屋面建材的深耕，对耐候硅酸钠和树脂技术的研发，公司的产品已畅销国内并且走向国际。国外市场包括南美、非洲、东南亚和中东地区，持续为200+企业客户提供屋面建材产品及工程解决方案。

Tianjin Guangshengjia Intelligent Technology Co., Ltd. It is an innovative enterprise integrating R&D, production and sales of environmentally friendly roofing building materials. The company has introduced advanced production equipment and technology from South Korea, has a professional R&D, production and sales team, and is committed to becoming a world-brand supplier of a new generation of Eco- friendly roofing building materials.

The company is located in Jizhou District, Tianjin. The factory covers an area of 80,000 square meters. It has multiple imported production lines and an annual output value of 5 million square meters. The main product series are: calcium silicate ancient architectural tile series, colored stone metal tile series, and synthetic resin tile series. , aluminum-magnesium-manganese metal tile series, color steel tile series and various supporting accessories, etc.

After more than 20 years of intensive cultivation of new roofing building materials and research and development of weather-resistant sodium silicate and resin technologies, the company's products have been sold well domestically and internationally. Foreign markets include South America, Africa, Southeast Asia and the Middle East, and we continue to provide roofing building materials products and engineering solutions to more than 200 corporate customers.



TIANJIN GUANGSHENGJIA

企业愿景 > 致力于成为新型环保屋面建材世界品牌供应商

Vision: Committed to becoming a brand world supplier of new environmentally friendly roofing building materials

企业使命 > 为世界客户提供高品质的屋面建材及服务

Mission: Provide high-quality roofing materials and services to customers around the world

核心价值观 > 客户至上、人尽其才、科技创新、合作共赢

Values: Customer first, Giving full play to talents, Scientific and technological innovation, Win-win cooperation

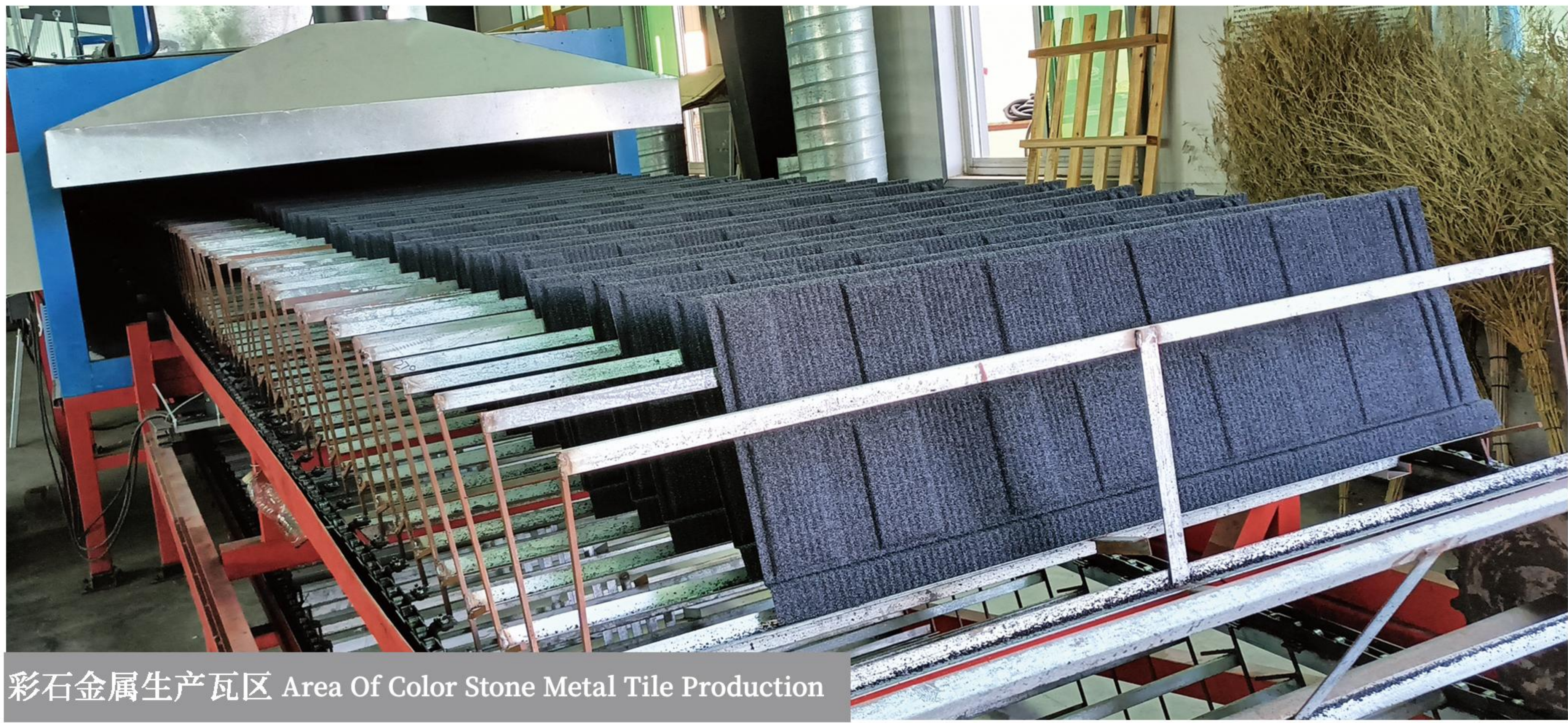
企业环境

COMPANY ENVIRONMENT



车间生产线

PRODUCTION LINE



企业资质荣誉

QUALIFICATIONS AND HONORS



企业荣誉 HONORS



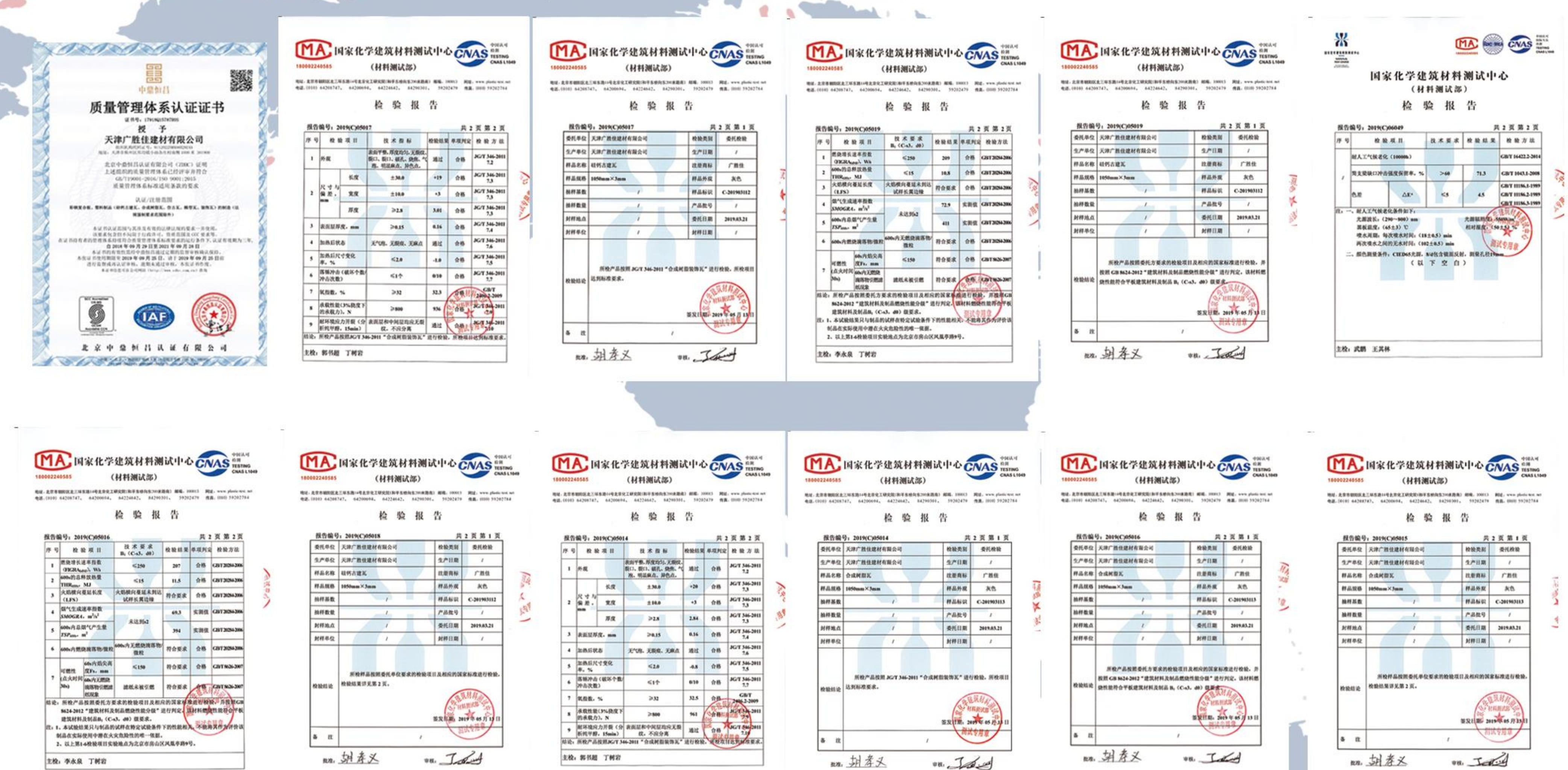
专利证书 PATENTS



企业资质荣誉

QUALIFICATIONS AND HONORS

检测报告 TEST REPORTS



著作登记 CERTIFICATE OF AUTHORSHIP



硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE



硅钙古建瓦于2018年由天津广胜佳研发团队自主研发,经权威机构检测认证,获得国家级八项实用型专利认证.并通过ISO9001质量管理体系认证.被中国建筑材料协会评定为“中国绿色环保节能建材产品” 本产品已在中国版权保护中心进行登记(国作登记-2019-F-00732679),瓦体正反面均有广胜佳专属防伪标识.

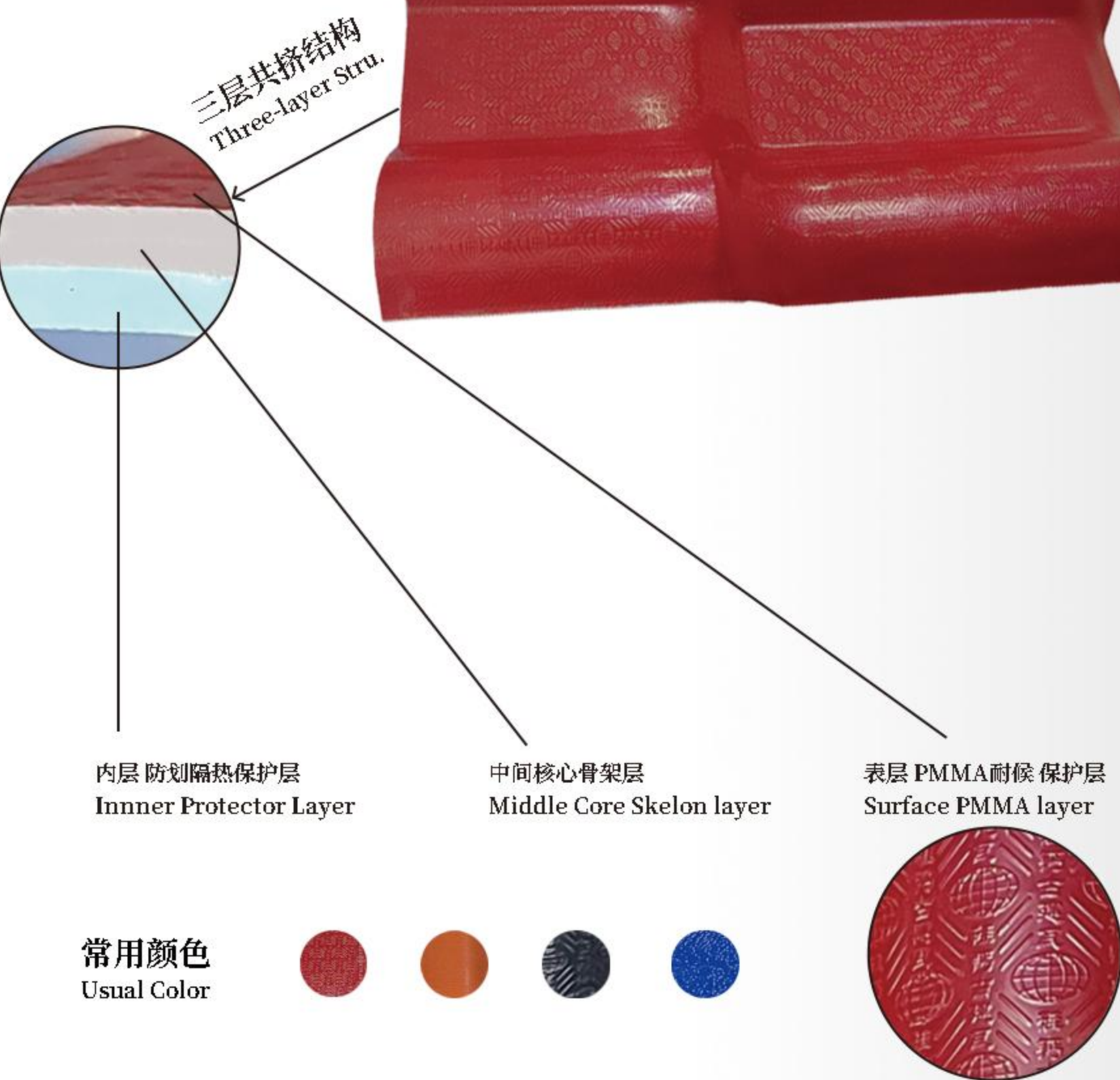
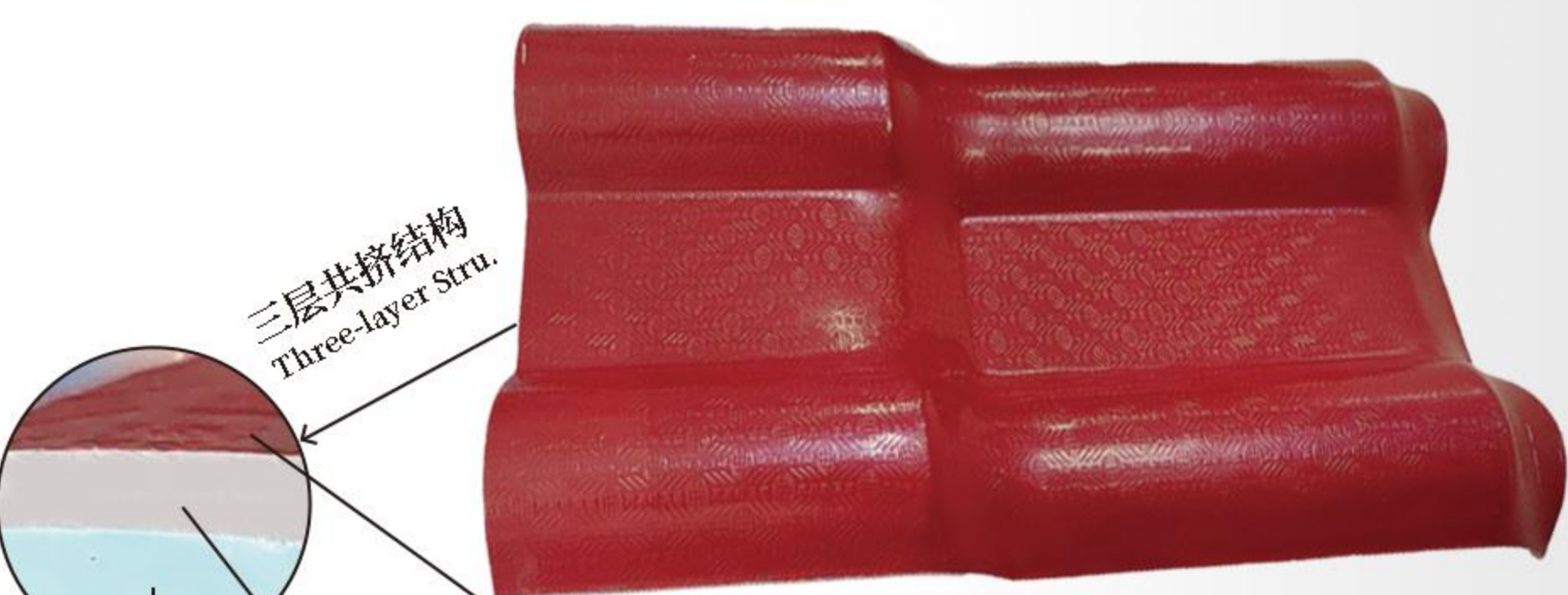
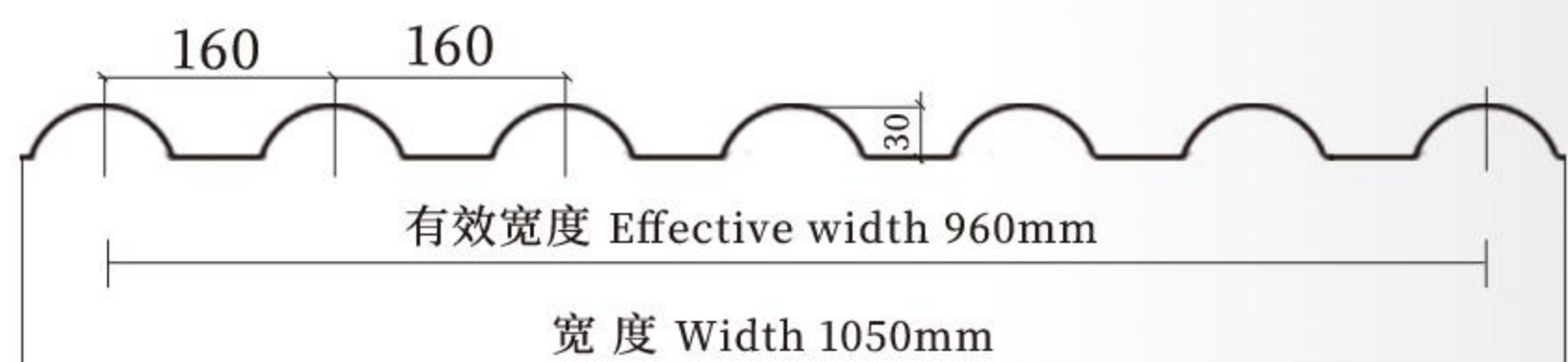
Calcium silicon ancient building tiles were developed by Tian jin Guangshengjia R&D team independently in 2018. It has been tested and certified by authoritative organizations and has obtained eight national practical patent certifications. It passed ISO9001 quality management system certification. This product has been registered with the China Copyright Protection Center (National Works Registration-2019-F-00732679), And both the front and back of the tile body have Anti-counterfeitin-g mark belong to Guangshengjia.



正面防伪--硅钙古建瓦
Front Anti fake logo



背面防伪--广胜佳建材
Back Anti fake logo



备注：订单量达到一定数量，颜色接受定制
Remark: Color accept custom if order quantity up to demand.

主要原材料MAIN MATERIALS

广胜佳硅钙古建瓦选用硅酸钠、纳米改性钙为主要材料，表面覆压PMMA膜替代ASA膜。经三层共挤技术加工而成。

表面为PMMA膜。其具有超强的耐候性、极强的韧性和耐腐蚀性，对瓦体提供保护，同时增强瓦体的抗冲击能力和在高低温频繁交替下的稳定性。而且褪色率极低。

核心骨架层以硅酸钠为主要材料，以纳米改性钙为填充料。硅酸钠有较好的粘合性，能促使瓦体强度更高和韧性更强.同时它具有较好的防水防火性能。纳米改性钙与合成树脂瓦用的重钙相比，塑化效果更好，杂质更少，能更好的发挥其它材料性能，增强硅钙古建瓦的物理机械性能、加工性能和稳定性。

硅钙古建瓦底层特别添加隔热材料，可以有效阻止热量传递,提高房屋保温性能。表面优质PVC保护层，增强瓦体强度和稳定性，同时也起到防水，防潮，美观的作用。

Guangshengjia calcium silicate ancient building tiles use sodium silicate and nano-modified calcium as the main material. The surface is covered with PMMA film instead of ASA film. Processed by three-layer co-extrusion technology.

The surface PMMA film has super weather resistance, extremely strong toughness and corrosion resistance, providing protection for the tile body, while enhancing the impact resistance of the tile body and its stability under frequent alternations of high and low temperatures. And the fading rate is extremely low.

The core skeleton layer uses sodium silicate as the main material and nano-modified calcium as the filler. Sodium silicate has good adhesion, which can make the tile body stronger and tougher. At the same time, it has good waterproof.and fireproof properties.Compared with the heavy calcium,nano-modified calcium has better plasticizing effect and fewer impurities, it can better exert the properties of other materials and enhance the physical and mechanical properties, processing

硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE

performance and stability of ancient silicon calcium tiles.

The bottom layer of calcium silicate ancient building tiles is specially added with thermal insulation materials, which can effectively prevent heat transfer and improve the thermal insulation performance of the house. The high-quality PVC protective layer on the surface enhances the strength and stability of the tile body, and is also waterproof, moistureproof and beautiful.

分类CLASSIFICATION



普通耐候型
Common tile



隔热耐候型
Heat Insulation tile



加强隔热耐候型
Enhanced Heat Insulation

为满足不同客户的不同需求，我们设计了三大类产品，级别由低到高分别为普通耐候型,隔热耐候型、加强隔热耐候型。用三种不同的底色做为区分。在此基础上，客户可以选择不同厚度的PMMA膜，膜厚可以为0.08mm和0.3mm.接受定制。

In order to meet the different needs of different customers, we have designed three categories of products, the grades from low to high are Basic tile Heat Insulation tile and Enhanced heat insulation tile. Use different bottom color as a distinction.Customers can Choose PMMA with different thicknesses, the thickness can be 0.08mm and 0.3mm. Accept custom.

性能 PERFORMANCE

× 耐候性

瓦体表面采用超耐候PMMA彩膜，长期暴露于自然界紫外线、强光、风雨、高温等环境下，其有很好的耐适性，不易被风化、腐蚀，颜色持久。

× 抗冲击性

产品采用高强度材料及HERE复合技术，促使该产品有超强的抗冲击性和抗负载能力，是同类产品的3倍，不惧暴雨、冰雹和施工过程中的工人踩踏。

× 低热胀冷缩率

硅钙古建瓦的热胀冷缩率相对于合成树脂瓦低很多，在-40°到80°之间，结构相对稳定，不易变形。

× 保温隔热

据相关实验测试，瓦体导热系数小于0.325w/h，很好减少室内外之间的温度传递，储温隔热，节省能源，减少碳排放。

× Weather Resistance

The surface is coated with PMMA,it has super weather-resistant. In long-term exposure to nature,it has good protection against ultraviolet rays, strong light, wind and rain, high and low temperatures and other environments.Not easily weathered and corroded, long-lasting color.

× Impact Resistance

The tile uses high-strength materials and HERE composite technology, which makes the product has super impact resistance and load resistance, 3 times that of similar products.Not afraid of heavy rain, hail and workers trampling during construction.

× Low Expansion and Contraction Ratio

The thermal expansion and contraction rate of calcium silicate ancient architectural tiles is much lower than that of synthetic resin tiles.Between -40° and 80°, the structure is relatively stable and not easily deformed.

× Heat Insulation and Storage

The thermal conductivity of the tile body is less than 0.325 w/h, which makes it very simple to reduce temperature transfer between indoor and outdoor spaces, store heat, insulate, conserve energy, and lower carbon emissions.

硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE



✕ 耐腐蚀

分别将样品放置于高浓度盐酸、硫酸、氢氧化钠、氢氟酸液体中浸泡36小时, 外观和各项物理性能无明显变化。

✕ 防火

瓦体所用材料均为B1级防火, 而且添加了阻燃剂,所以产品极难燃烧, 离火后立即熄灭

✕ 抗荷载

硅钙古建瓦具有很好的韧性。600mm檩条间距, 能轻松承载安装工作人员, 不怕踩踏。更是无惧大自然赋予的雨雪积压

✕ 使用寿命长

硅钙古建瓦选用全新高性能轻质材料, 性能远超树脂瓦所采用的树脂粉、回收料和重钙。瓦体的物理机械性能和结构稳定性更好, 能很好的适应各种自然环境, 使用寿命远超市面上的树脂瓦。

✕ 环保节能

产品经检测无辐射、无挥发性物质。生产、安装和使用过程能耗低, 无污染排放。该产品在其使用寿命结束时可完全回收。完全符合欧美环保要求。

✕ Corrosion Resistant

The samples were placed in high-concentration hydrochloric acid, sodium hydroxide, Soaked in hydrofluoric acid liquid for 36 hours, appearance and various physical properties no significant changes.

✕ Fire Resistant

The materials used in the tile body are all B1 fire-resistant, and flame retardants are added, which is extremely difficult to burn and will be extinguished immediately after leaving the fire source.

✕ Load Resistant

Calcium silicon ancient building tiles have excellent durability. Installation workers can be carried easily and without fear of being stepped on thanks to the 600mm purlin spacing. Not afraid of the accumulation of rain and snow given by nature.

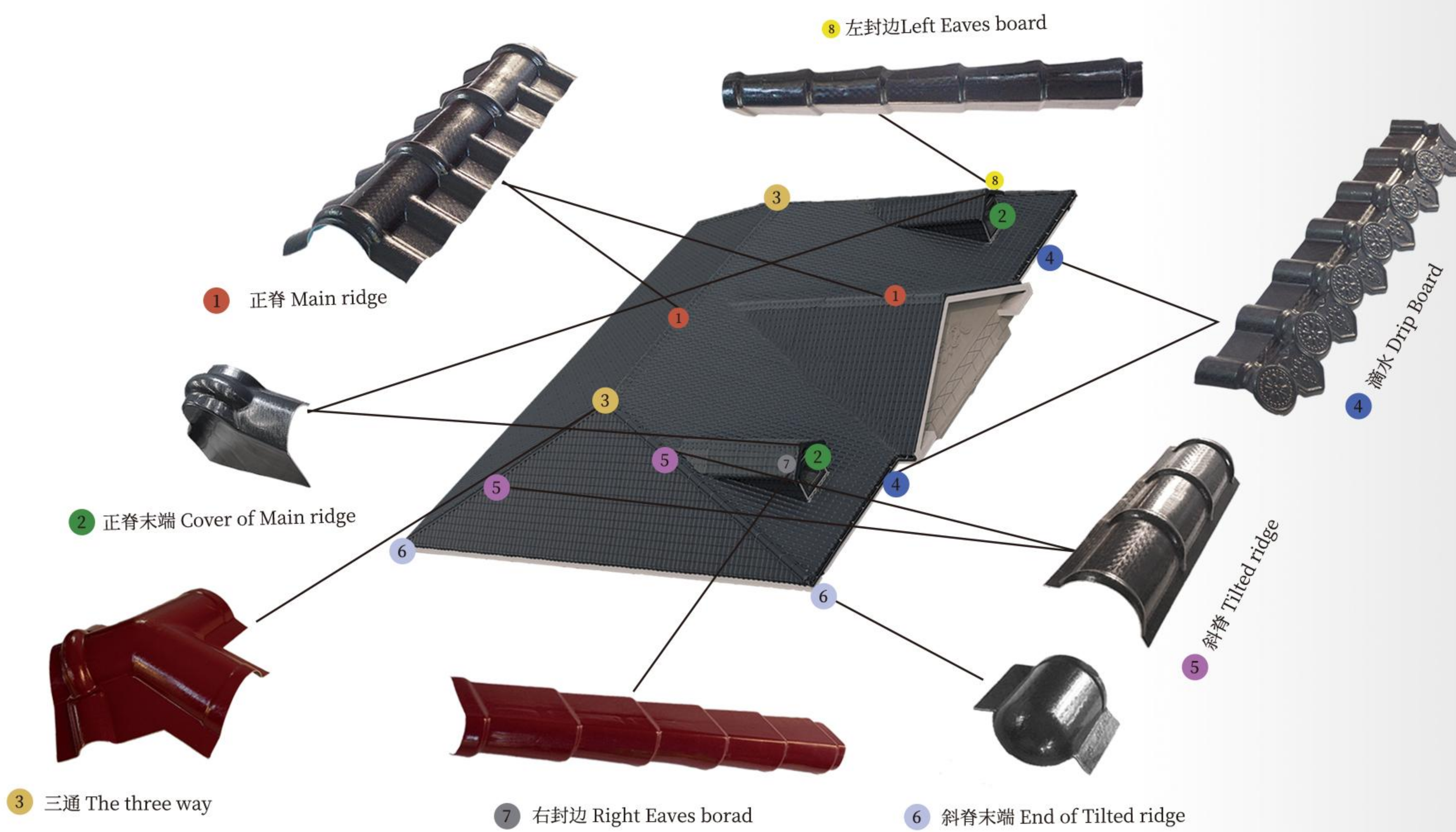
✕ Long Service Life

Calcium silicate ancient building tiles used by new high performance lightweight materials, and their performance far exceeds that of what resin tiles used-Resin powder, recycled materials and heavy calcium . The physical and mechanical properties of the tile more stability and can adapt well to various natural environments and has a long service life. Far beyond the resin tiles on the market.

✕ Eco-friendly

It has been professionally tested and proven to be free of radiation and volatile substances. It's low energy consumption in production, installation and use process, no pollution or emission. It can be 100% recycled at the end of its service life. Fully complies with European and American environmental protection requirements.

主瓦及附件安装示意图



工程案例

PROJECT CASE

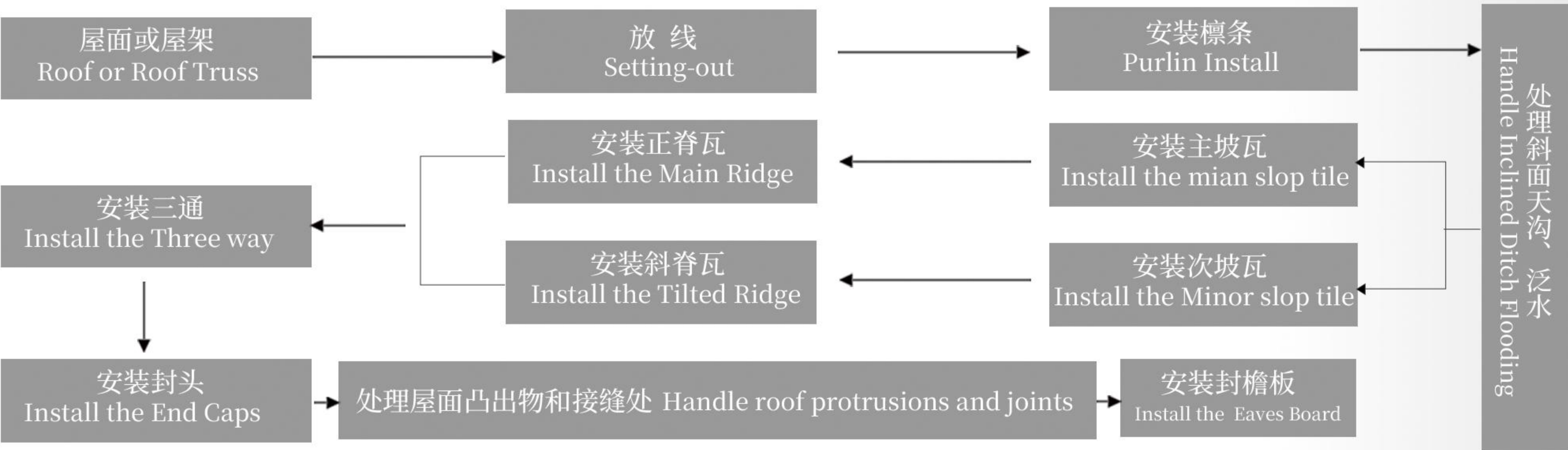


硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE



关于安装 About Installation

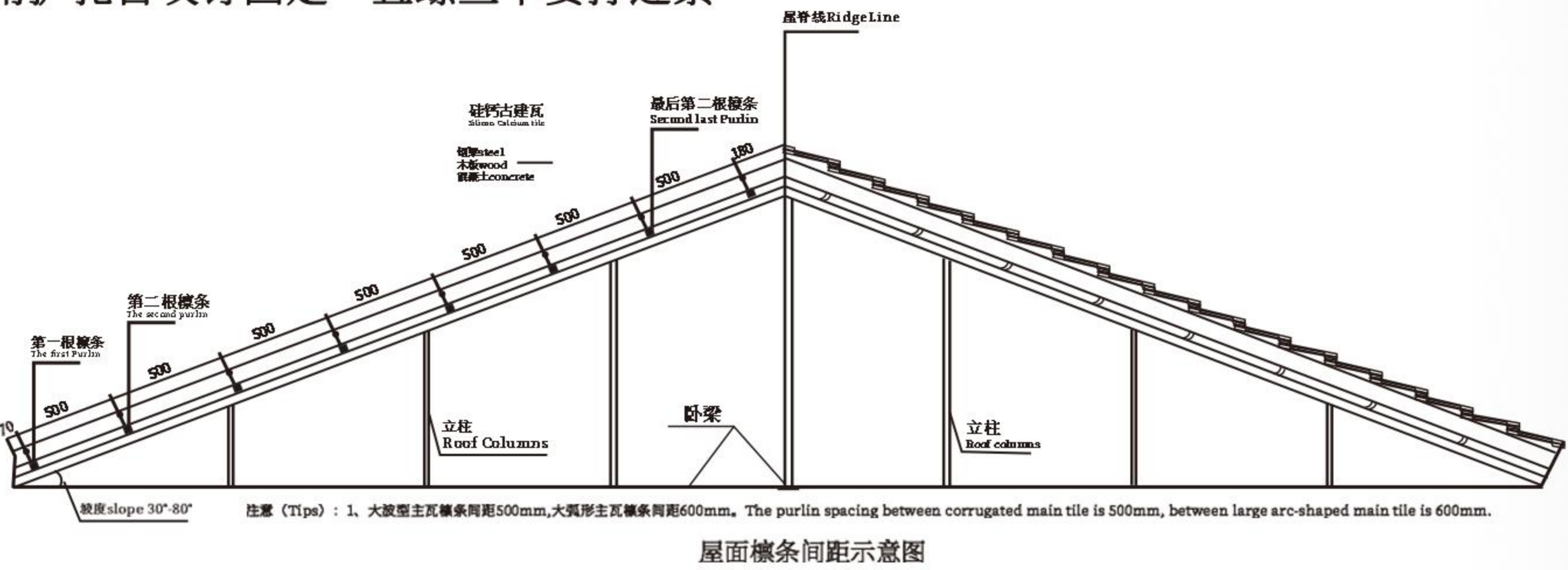


安装流程图 Installation flow chart

- 工具：工程线、手提电钻、电钻钻头套筒、手提切割机、卷尺、钢尺、扳手、手提磨光机。
- 配件：防水圈、保护垫、自攻钉、螺丝防水套。
- 辅料：硅钙胶、硅钙粉（用于施工中出现的错位钻孔）。
- Tools: engineering wire, portable electric drill, electric drill bit socket, portable cutting machine, tape measure, steel ruler, wrench, portable polisher.
- Accessories: waterproof ring, protective pad, self-tapping screws, screw waterproof cover.
- Auxiliary materials: calcium silicate glue, calcium silicate powder (used for misaligned drilling during construction).

安装注意 Installation Notes

- 坡度 硅钙古建瓦适用于坡度为30°-80°的屋面。
- 檩条 常用檩条材料及尺寸(mm):木方60x40、方钢管60x40x3、G型钢100X50x3。金属檩条须刷防锈油一遍，面漆两遍。木檩条须用防腐油或用沥青油浸刷。最上面檩条位置距屋脊线150mm,便于安装正脊瓦,最下面檩条位置距屋檐口50-70mm 主瓦檩条间距建议500mm,大弧型主瓦檩条间距不得大于600mm。因四季昼夜存在温差，会有热胀冷缩现象出现，因此安装瓦时建议使用专用扩孔自攻钉固定，且螺丝不要拧过紧。



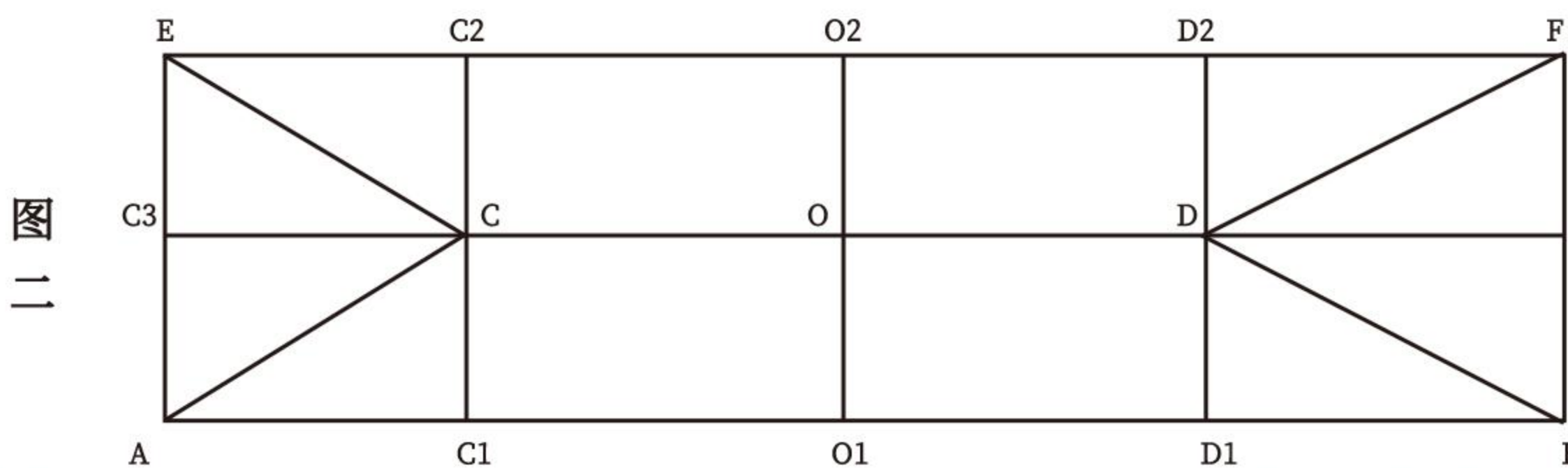
- Slope - Calcium silicate ancient building tiles are suitable for roofs with a slope of 30-80°.
- Materials of purlin and sizes (mm): wooden 60x40, square steel pipe 60x40x3, G-shaped steel 100X50x3. Metal purlins must be brushed 1 time with anti-rust oil and 2 times topcoated. Wooden purlins must be dipped and brushed with anticorrosive oil or asphalt oil. The top purlin is located 150mm away from the roof ridge line, making it easier to install the ridge tile and the bottom rubber strip is located 50-70mm away from the eaves. The spacing between main tile purlins is recommended to be 500mm, and the spacing between large arc main tile purlins should not be greater than 600mm. Due to the temperature difference between day and night in the four seasons, there will be thermal expansion and contraction, so the installation when installing tiles, it is recommended to use special self-tapping screws for fixing, and do not overtighten the screws.
- 放线安装前应检查屋面平整度，根据现场屋面情况进行放线,这样有助于瓦片安装达到最好的外观效果。

硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE

- 安装两坡屋面主瓦时,一侧波峰中心与CC1(CC2)或DD1(DD2)线重合主瓦上、下部都应CD、AB线平行,并从一侧(Cc1或DD1线)开始安装(图二)。
- 第一张瓦的安装最为重要,一定要保证瓦底边与CC1(CC2)或DD1(DD2)线垂直不得倾斜位置摆正后,在最下端檩条和瓦的中心位置(波峰)处将瓦固定。（图二）

- Before laying out the wiring, the wiring should be laid out according to the on-site roof conditions. This will help the tiles to be installed horizontally and vertically to ensure the installation quality and achieve beautiful effects.
- When installing the main tiles on a two-slope roof, the center of the wave crest on one side coincides with the CC1 (CC2) or DD1 (DD2) line. The upper and lower parts of the main tiles should be parallel to the CD and AB lines, and should be parallel to the CD and AB lines. Start the installation on the side (c1 or DD1 line) Diagram 2). The installation of the first tile is the most important. It must be ensured that the bottom edge of the tile is perpendicular to the CC1 (CC2) or DD1 (DD2) line and must not be tilted. Fix the tile at the center position (wave crest)(Diagram 2).



注意：
* 主瓦长度不能超过5米
* 彩钢复合板的屋面不能直接安装本产品，以免产生收缩变形现象。
* 砖石与其它材料混合使用的屋面不适合本产品
Notice:
* The length of the main tile cannot exceed 5 meters
* This product cannot be installed directly on the roof of color steel composite panels to avoid shrinkage deformation phenomenon.
* Roofs made of masonry mixed with other materials are not suitable for this product

- 四坡屋面安装瓦时，先安主瓦(方法同两坡屋)。主瓦安装完后再安装两侧三角形屋面由中心线CC3、DD3为基准两边均分安装,再沿斜线切割,以便于斜脊瓦的安装.(图二)
- 为防止单向搭接造成的倾斜和不平整现象,主瓦横向安装要一上、一下排列,即第二张瓦扣压第一张瓦和第三张瓦,第四张瓦扣压第三张和第五张瓦并各搭接一个瓦波,其余以此类推。
- 安装过程中要随时检查瓦底边与施工线的垂直,确认无误后再将固定件安装齐全.纵向安装要搭接瓦的一个节长。
- 坡屋面主瓦安装应两侧同步进行,以确保正脊瓦安装的波峰吻合。
- 主瓦安装选用直径4mm、长度75mm的自攻钉;正脊瓦、斜脊瓦安装根据固定位置的不同,选用直径4mm,长度110-150mm的自攻钉。
- 固定瓦时先将防水圈置于保护垫下面的凹槽内,并将自攻钉穿过保护垫中心孔(弧面朝下),电钻要与瓦面垂直,紧固瓦时钉的松紧要适中,完后再安装防水帽。用直径4mm、长度75mm的自攻钉;正脊瓦、斜脊瓦安装根据固定位置的不同,选用直径4mm,长度110-150mm的自攻钉。
- 钢（木）檩条采用专用扩孔自攻钉,在需固定的波峰上先钻大于自攻螺丝直径2mm的孔,每隔一个波峰固定一套配件。

- When installing tiles on a four-slope roof, install the main tiles first (the method is the same as for a two-slope house). After the main tiles are installed, install the triangular roofs on both sides. Install them equally on both sides based on the center line CC3 and DD3, and then cut along the diagonal line to facilitate the installation of the diagonal ridge tiles. (Diagram 2)
- In order to prevent inclination and unevenness caused by one-way overlapping, the main tiles should be installed horizontally in an upper and lower arrangement, that is the second tile should withhold the first and third tiles, and the fourth should withhold the third tile. The first tile and the fifth tile are each overlapped with a tile wave, the rest same..
- During the installation process, check the perpendicularity of the bottom edge of the tile to the construction line at any time, and then install all the fixings after confirming it is correct. For longitudinal installation, one section of the tile must be overlapped.
- The main tiles on the sloped roof should be installed simultaneously on both sides to ensure that the crests of the main ridge tiles are consistent.
- For the installation of the main tiles, self-tapping screws with a diameter of 4mm and a length of 75mm are used for the installation of the straight ridge tiles and oblique ridge tiles, self-tapping screws with a diameter of 4mm and a length of 110-150mm are used according to the different fixing positions.
- When fixing the tile, first place the waterproof ring in the groove under the protective pad, and pass the self-tapping nail through the center hole of the protective pad (the curved surface faces downward). The electric drill should be perpendicular to the tile surface, and the nail should be tightened when tightening the tile. The tightness should be moderate, and then install the waterproof cap after completion. Use self-tapping screws with a diameter of 4mm and a length of 75mm; For installation of straight ridge tiles and oblique ridge tiles, use self-tapping screws with a diameter of 4mm and a length of 110-150mm depending on the fixed position.
- Steel (wood) purlins use special enlarged self-tapping screws. Drill holes 2mm larger than the diameter of the self-tapping screws on the wave crests to be fixed, and fix a set of accessories on every other wave crest.

硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE



名称Name	实拍图Photo	尺寸Specification	用途usage	截面Section Dimensions
仿古正脊瓦 Antiqued main ridge tile		长度: 1050mm Length:1050mm 有效长度: 960mm Effective length:960mm	正屋脊用 For Main Roof	
仿古斜脊瓦 Antiqued tilted ridge tile		长度: 1050mm Length:1050mm 有效长度: 960mm Effective length:960mm	斜屋脊用 For tilted Roof	
正脊瓦 Main ridge tile		长度: 1050mm Length:1050mm 有效长度: 960mm Effective length:960mm	正屋脊用 For Main Roof	
斜脊瓦 Tilted ridge tile		长度: 900mm Length:900mm 有效长度: 800mm Effective length:800mm	斜屋脊用 For Main Roof	
侧封边 Side edge sealing		长度: 1140mm Length:1140mm 有效长度: 1000mm Effective length:1000mm	屋面两侧封边 For cover Roof side	
滴水檐板 Drip eave board		长度: 1050mm Length:1050mm 有效长度: 960mm Effective length:960mm	屋檐泛水 For Roof eaves flashing	
120°立墙泛水板 120°Vertical wall flashing board		长度: 1050mm Length:1050mm 有效长度: 960mm Effective length:960mm	山墙泛水 For Front Gable flashing	
山墙墙泛水板 Side wall flashing board		有效长度: 1100mm Effective length:960mm 宽Width: 90mm 高Height: 95mm	山墙泛水 For side Gable flashing	

硅钙古建瓦系列

SILICON CALCIUM ANCIENT BUILDING TILE

名称Name	实拍图Photo	尺寸Specification	用途usage	截面Section Dimensions
阴角导流板 Inside deflector board		长度: 1000mm Length:1000mm 有效长度: 900mm Effective length:900mm	天沟泛水 For Gutter flashing	
正脊瓦末端 Ends of main ridge til		宽Width: 300mm 厚Thickness: 95mm 高Height:220mm	正脊瓦封口 Endcap of the main ridge tile	
斜脊瓦末端 Ends of tilted ridge til		长Length: 150mm 波高Wave Height:80mm	斜脊瓦封口 Endcap of the tilted ridge tile	
三通瓦 The three way tile		160mm*180mm*180mm	屋脊连接 For ridges connection	
墙头瓦 Wall top tile		有效长Effective Length 800mm	24墙头 37墙头 For wall top with 240mm and 370mm width	
装用防水配件 Special Waterproof accessories		自攻钉Self-tap Screw ST6.3mm×75mm/140mm 密封帽Sealed Cap 45mm*40mm	自攻钉: 固定瓦与檩条 防水帽: 遮扣于自攻钉上, 防水防漏, Self-tapping nails: fixing tiles and purlins Waterp -roof cap: Covers the self-tapping nails on, waterp -roof and leak-proof	

屋面装饰配件 Roof Decoration Accessories		吻兽Chupacabra 280mm*340mm		如意Ruyi 320mm*460mm		吉星高照Jixinggaozhao 220mm*440mm		和平鸽Peace Dove 240mm*250mm
		正卷尾Straight coiling 450mm*450mm		斜卷尾Oblique coiling 330mm*270mm		翘脚Newborn 250mm*340mm		双龙戏珠Two Dragon play the pear 1960mm*370mm;230mm*430mm

彩石金属瓦系列

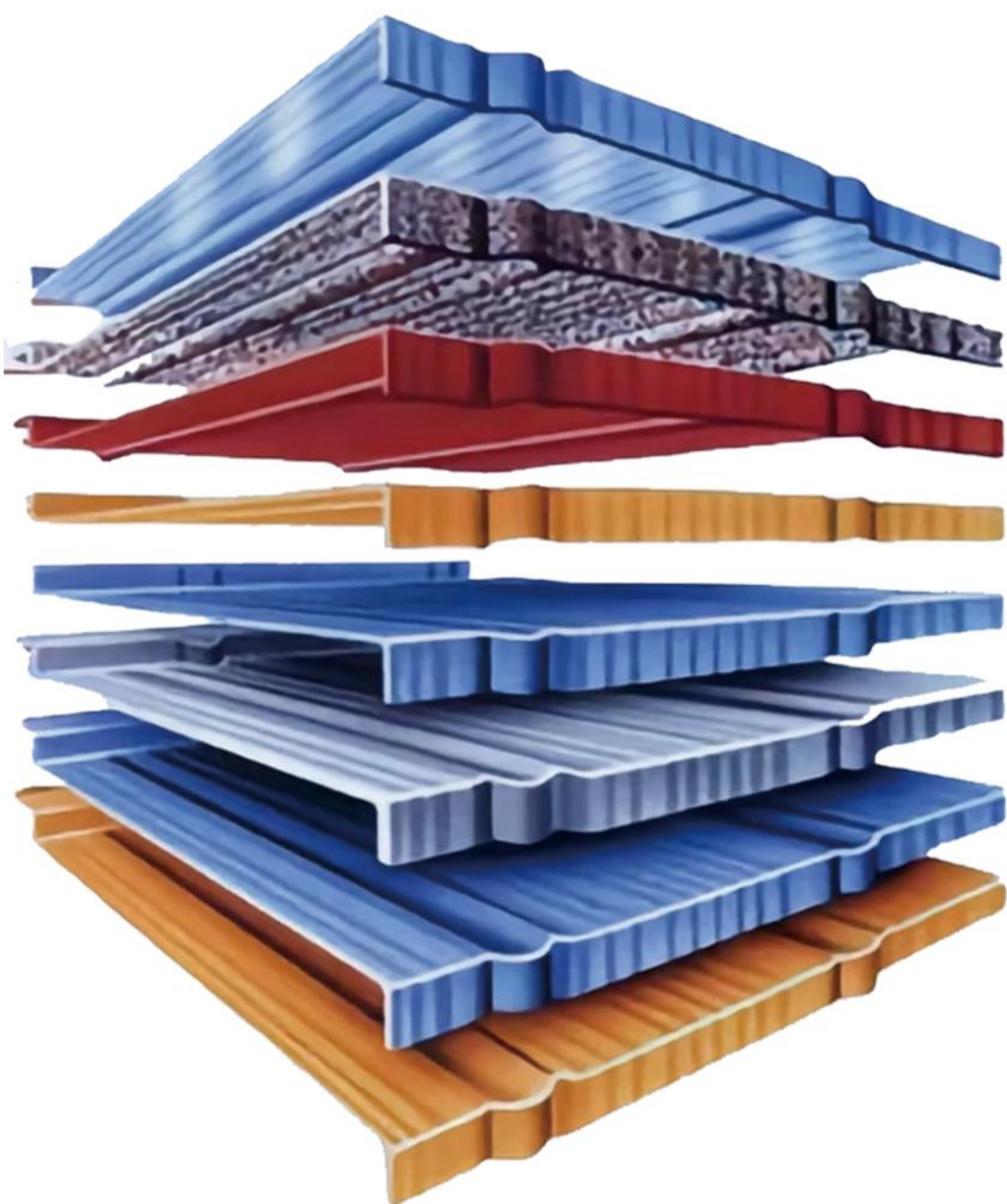
COLOR STONE METAL TILE



彩石金属瓦是一种新型的屋面材料，主要以防腐性能优良的镀锌钢板为基材，优质防水丙烯酸树脂为粘合剂，表面覆合耐候性彩砂，由天然石粒，经无机染料高温烧结而成。结构设计独特，造型丰富，色泽自然简约，兼顾美观和实用。与传统瓦片相比它有无法比拟的抗风、抗水、抗火以及抗震的能力，而且重量轻、隔音、隔热，坚固耐用，已成为现代主流屋面产品

Color stone metal tiles are a new type of roof products Main material is the galvanized steel plate,which have excellent anti-corrosion properties, and the adhesive.is the acrylic resin that have high-quality waterproof. Surface is coated with weather-resistant colored sand, which is made of natural stone particles and sintered at high temperature with inorganic dyes. Its structure design is unique, the shape is rich, color is natural and simple, beauty and practicality. Compared with traditional tiles, it has incomparable wind resistance, water resistance, fire resistance and earthquake resistance ability,And light weight, sound insulation, heat insulation, strong and durable, it has become a modern mainstream products.

构造 STRUCTURE



- 透明丙烯酸树脂涂层：增加色泽度、粘结强度，增强耐候性
Transparent acrylic resin coating: Increases bonding strength and weather resistance.
- 彩色玄武岩砂：色彩载体，隔热保温，防腐降噪
Colored basalt sand: color carrier, heat insulation, anti-corrosion and noise reduction
- 亚克力胶：粘合基板与彩砂
Acrylic glue: bonding substrate and colored sand
- 防指纹涂层：保护铝锌层不受磨损
Anti-fingerprint coating: protects the aluminum-zinc layer from wear and tear
- 镀锌锌层：防腐性好，热反射率高，延长钢板使用寿命
Galvanized layer: good anti-corrosion, high heat reflectivity, extending the service life of the steel plate
- 基板：彩石金属瓦的核心，强度高
Substrate: the core material of the tiles.Highstrength
- 镀锌锌层：防腐性好，热反射率高，延长钢板使用寿命
Galvanized layer: good anti-corrosion, high heat reflectivity, extending the service life of the steel plate
- 防指纹涂层：保护铝锌层不受磨损
Anti-fingerprint coating: protects the aluminum-zinc layer from frictional damage

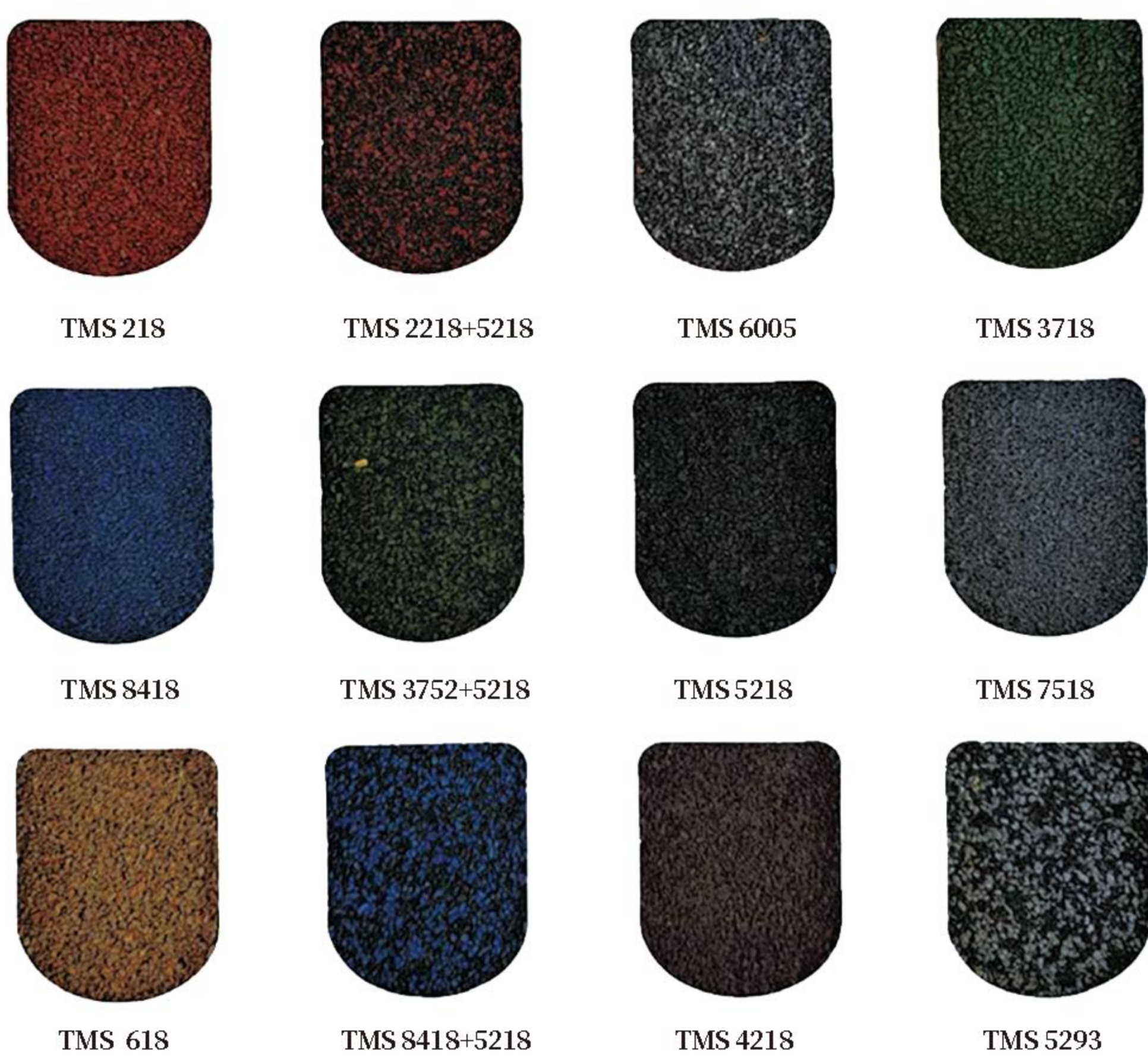
应用 APPLICATION

彩石金属瓦色彩自然，造型丰富，适合于各种领域建筑。除民用住宅外，教堂、寺庙、博物馆、艺术中心也不乏使用。
Colored stone metal tiles have natural colors, rich shapes. They are suitable for various construction . In addition to civilian residences, they were also used for churches, temples, museums, art.and so on.

彩石金属瓦系列

COLOR STONE METAL TILE

彩石金属瓦色卡 Color Chart



特性 PERFORMANCE

经久耐用 Durable

高强度镀锌钢板基材受其它材料层层保护，充分发挥其强度高的优点，防腐、抗压、耐候性强，坚固耐用。
Galvanized steel plate protected layer by layer by other materials, give it full play to its advantages of high strength.Excellent anti-corrosion, pressure resistance, weather resistance, make it solid durable.

高抗震性 Earthquake resistance

彩石金属瓦的安装采用搭接互锁式，这样能让整个屋面系统结构牢固，不易脱落。
The installation of colored stone metal tiles adopts the overlapping interlocking type, which allows the entire roof system has a solid structure and is not easy to fall off.

绿色环保 Eco-Freindly

彩石金属瓦所有原材料均为绿色环保。生产、安装、使用过程能耗低无污染，使用寿命结束时可完全回收。
All raw materials of colored stone metal tiles are green and environmentally friendly. The production, installation and use processes are low energy consumption and pollution-free, and can be fully recycled at the end of life.

不易褪色 Color Not EasyFade

高温烧结的玄武岩彩色沙砾着色牢度稳定。再加上表层优质树脂保护，褪色率相对于同类产品非常低。
The coloring of high-temperature sintered colored gravel is firm and stable. Coupled with the high-quality resin protection on the surface, the fading rate is very low compared to similar products.

耐火性好 Good Fire Resistance

彩石金属瓦经权威机构实验检测，属于A级防火建筑材料，在同类产品中，消防安全系数相对较高。
Colored stone metal tiles have been tested by authoritative organizations and are classified as Class A fireproof building materials.Among similar products the fire safety factor is relatively high.

安装便捷 Easy Install

彩石金属瓦重量轻、便于运输、易切割、易弯曲。在施工过程中易操作，灵活度高。大大节省安装成本。
Colored stone metal tiles are light in weight, easy to transport, easy to cut and easy to bend. In construction, Easy to operate and highly flexible during the process. Greatly save installation costs

彩石金属瓦系列

COLOR STONE METAL TILE



分类 CLASSIFICATION



米兰瓦 Milano Tile GSM-01

设计尺寸 Tile Size	1355mm*420mm
安装尺寸 Installed Exposure	1210mm*370mm
每平方米用量 Tiles per sqm	2.1片/sheets



方格瓦 Shingle Tile GSM-03

设计尺寸 Tile Size	1330mm*420mm
安装尺寸 Installed Exposure	1290mm*380mm
每平方米用量 Tiles per sqm	2.1片/sheets



诺森瓦 Nosen Tile GSM-05

设计尺寸 Tile Size	1340mm*420mm
安装尺寸 Installed Exposure	1265mm*370mm
每平方米用量 Tiles per sqm	2.1片/sheets



经典瓦 Classic Tile GSM-02

设计尺寸 Tile Size	1350m*420mm
安装尺寸 Installed Exposure	1275mm*375mm
每平方米用量 Tiles per sqm	2.1片/sheets



木纹瓦 Wood Grain GSM-04

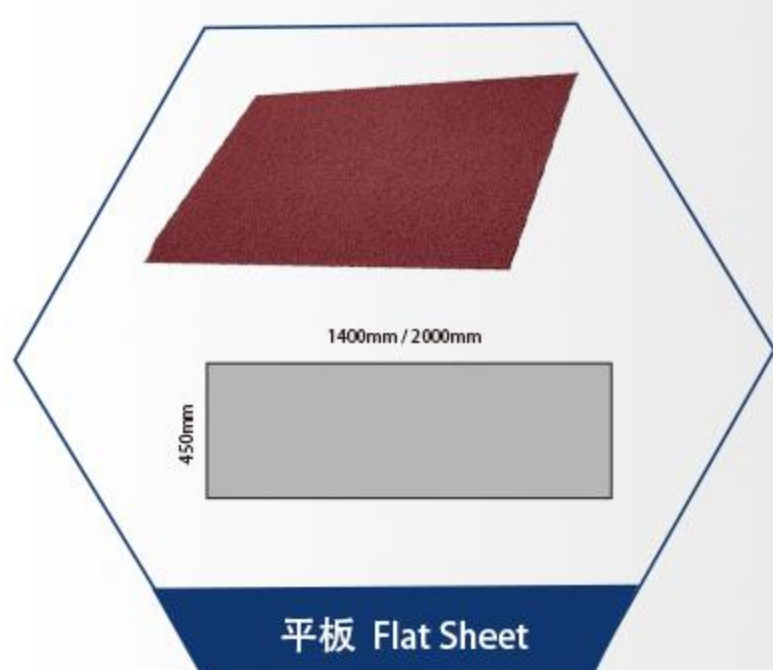
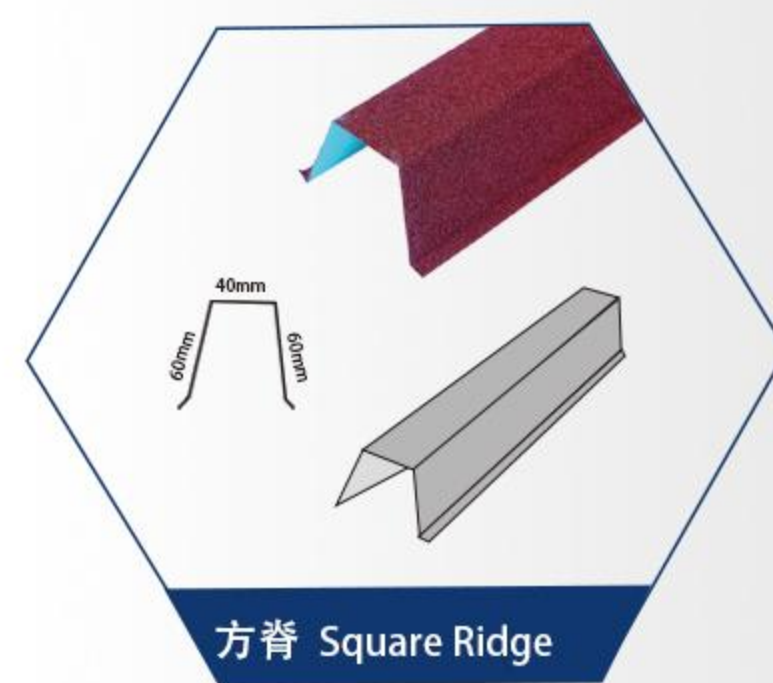
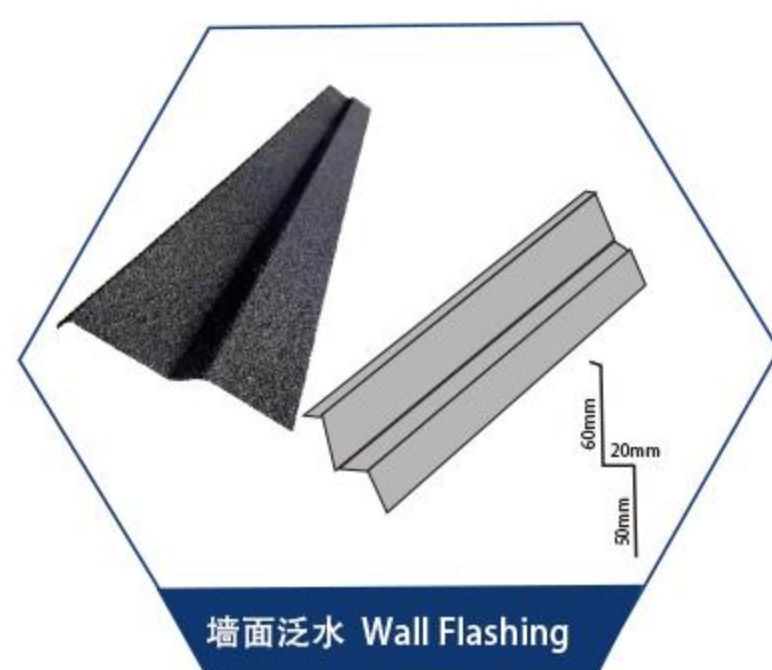
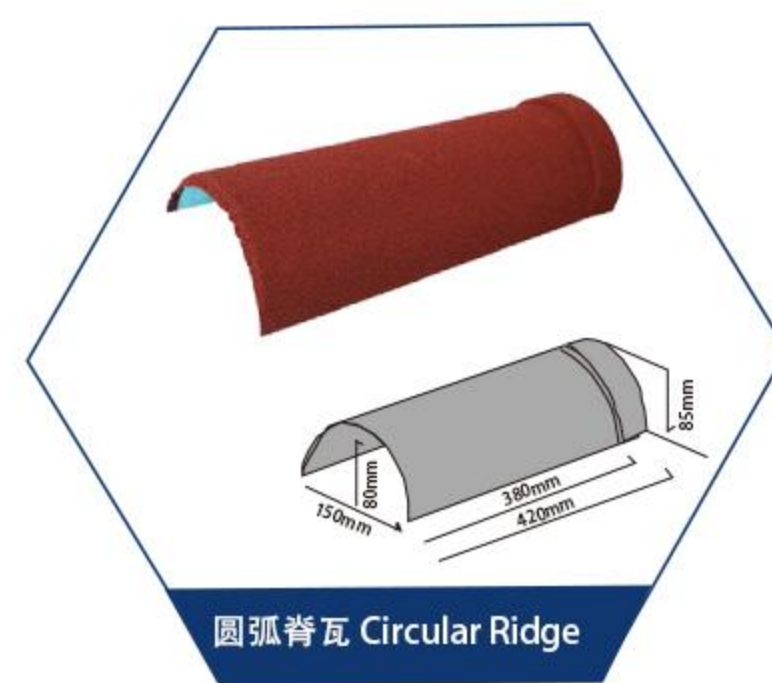
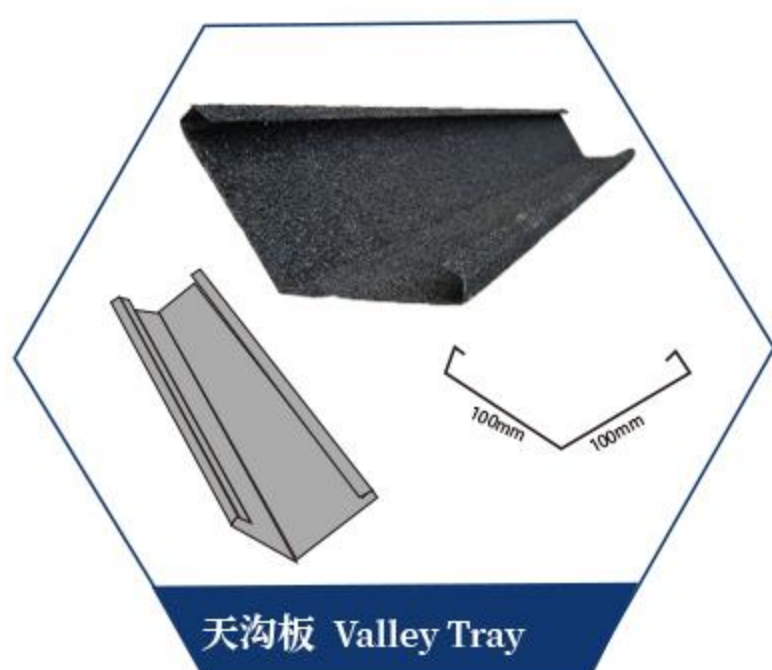
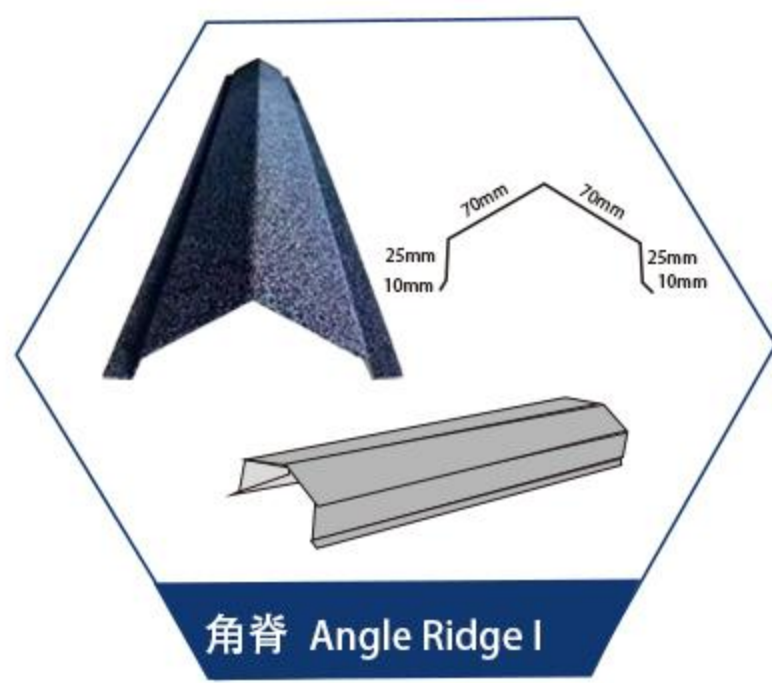
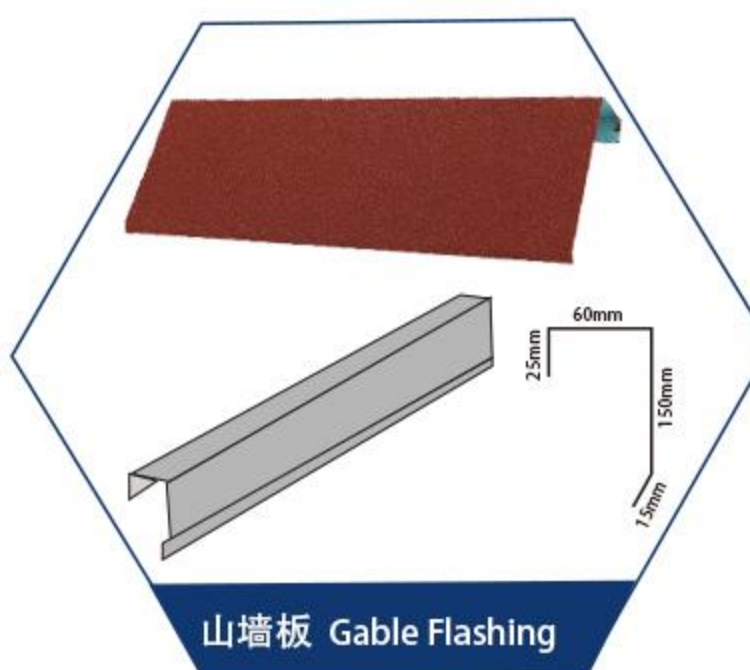
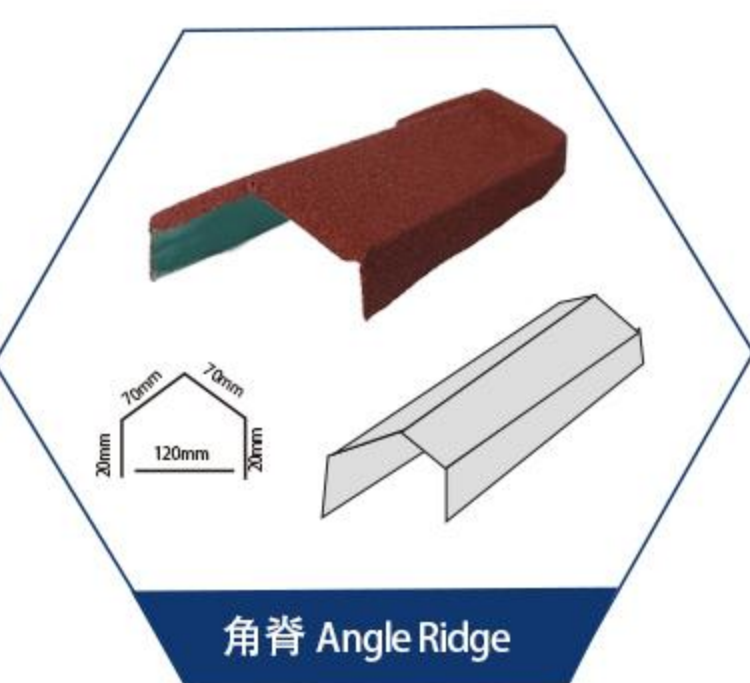
设计尺寸 Tile Size	1330mm*420mm
安装尺寸 Installed Exposure	1260mm*370mm
每平方米用量 Tiles per sqm	2.1片/sheets



深罗马瓦 Deep Roman GSM-06

设计尺寸 Tile Size	1280mm*420mm
安装尺寸 Installed Exposure	1215mm*375mm
每平方米用量 Tiles per sqm	2.2片/sheets

配件 ACCESSORIES



彩石金属瓦安装

PRODUCT INSTALLATION

安装用具 Installation Tools

- 工具：切割锯、手电钻、剪刀、扁嘴钳、墨斗、卷尺、电钻、记号笔等工具
- 辅料：十字或者是内六角自攻螺丝、彩砂和补胶

- Tools: electric hand drill、scissor、flat nose pliers、ink buket、tap meausre、electric drills and Marker
- Auxiliary materials: cross or hexagonal self-tapping screws, colored sand and glue

安装注意事项 Installation Notes

- 1、彩石金属瓦施工环境温度宜为5℃～35℃，低于5℃时，需采取加强防护措施。
- 2、施工人员施工时应穿胶底软鞋，并且尽量避免或减少踩踏已铺设好的彩石金属瓦面，对于易被踩踏的部位，如老虎窗四周，宜衬垫柔软材料作为临时防护，以免损坏产品。
- 3、穿过屋面防水层的管道、设备或预埋件等x需要在彩石金属瓦铺设施工前安装完毕。
- 4、彩石金属瓦安装完毕后即为成品，保证安装全过程中不损坏彩石金属瓦表面是十分重要的环节，因此应注意以下几点：
 - 4.1现场搬运彩石金属瓦制品时带手套，吊运彩石金属瓦时绑扎牢固，应轻抬轻放，不得拖拉；
 - 4.2现场切割过程中，切割机械的底面不宜与彩石金属瓦表面直接接触，要求垫木板或胶皮板材；
 - 4.3施工人员在彩石金属瓦上行走时，须踩踏在瓦槽与挂瓦条的结合部位上，严禁在瓦上面跳动、踩踏或随意敲打等；
 - 4.4施工人员携带的工具等应放在工具袋中，如放在屋面上应放在的布或其他片材上；
 - 4.5金属瓦板面铁屑与边角料清理，板面在切割和钻孔中会产生铁屑，这些铁屑和边角料及时清除，不可过夜；用后的密封胶筒等均应及时清理。

1. The construction environment temperature of colored stone metal tiles should be 5 °C ~ 35 °C. When it is lower than 5 °C, strengthened protective measures should be taken.
2. Operators should wear rubber-soled soft shoes during construction, and try to avoid or reduce stepping on the laid colored stone metal tile surface. For parts that are easy to be stepped on, such as around the dormer window, soft materials should be used as temporary protection. so as not to damage the product.
3. The pipes, equipment or embedded parts passing through the roof waterproof layer should be installed before the laying of colored stone metal tiles.
4. After the installation of the colored stone metal tile is completed, it is very important to ensure that the surface of the colored stone metal tile is not damaged during the installation process, so the following points should be noted:
 - 4.1 Wear gloves when handling colored stone metal tile products on site, and tie them firmly when lifting colored stone metal tiles. They should be lifted gently and not dragged;
 - 4.2 During the on-site cutting process, the bottom surface of the cutting machine should not be in direct contact with the surface of the colored stone metal tile, and a wooden board or rubber board is required;
 - 4.3 When the construction personnel walk on the colored stone metal tile, they must step on the joint part of the tile groove and the tile hanging strip, and it is strictly forbidden to jump, trample or randomly beat on the tile;
 - 4.4 The tools carried by the construction personnel should be placed in the tool bag, such as on the cloth or other sheets on the roof;
 - 4.5 Clean the iron filings and leftovers on the surface of the metal tile. Iron filings will be generated during cutting and drilling on the board surface.

工程案例

PROJECT CASE



2022年 浙江杭州别墅工程案例
2022 Villa project in Hangzhou Zhejiang



2021年 山东潍坊海滨别墅工程案例
2021 Villa Project in Weifang Shangdong



2020年 福建厦门别墅工程案例
2020 Villa Project in Xiamen Fujian



2018年 海南三亚住宅工程案例
2018 Residential area Project in Sanya Hainan



2019 天津河东区某别墅工程案例
2019 Villa Project in Tianjin

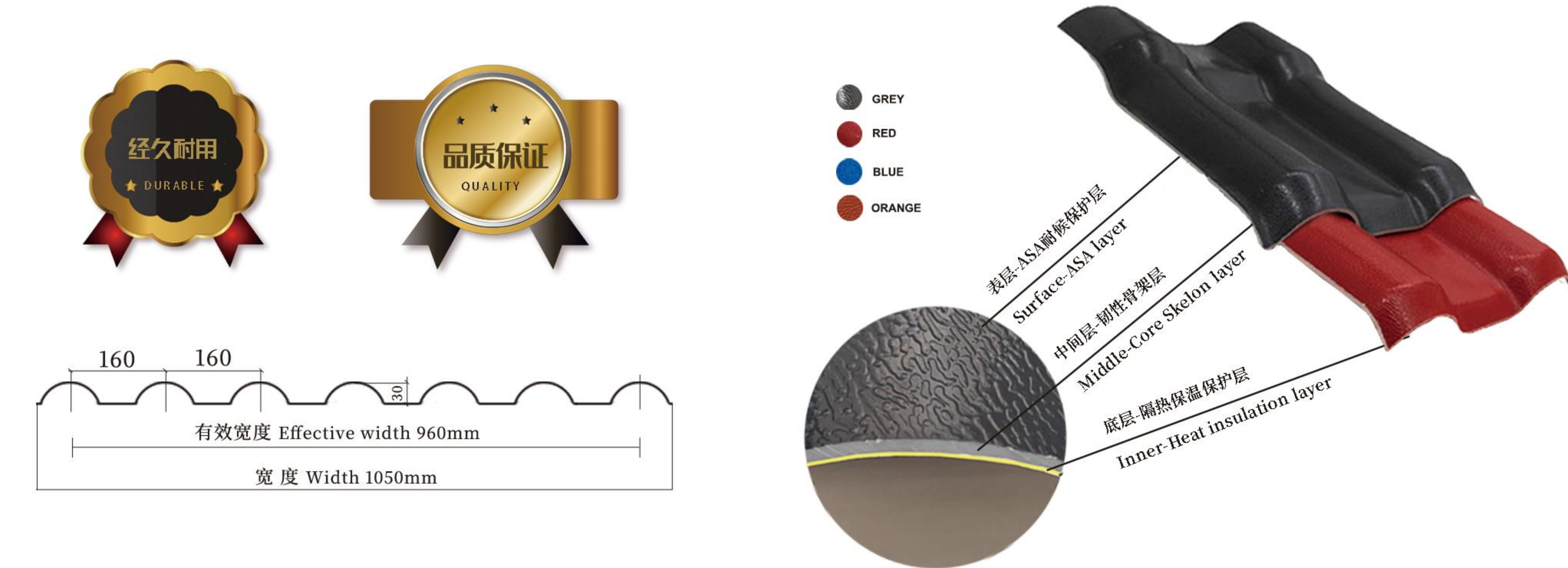
合成树脂瓦系列

SYNTHETIC RESIN TILE SERIES



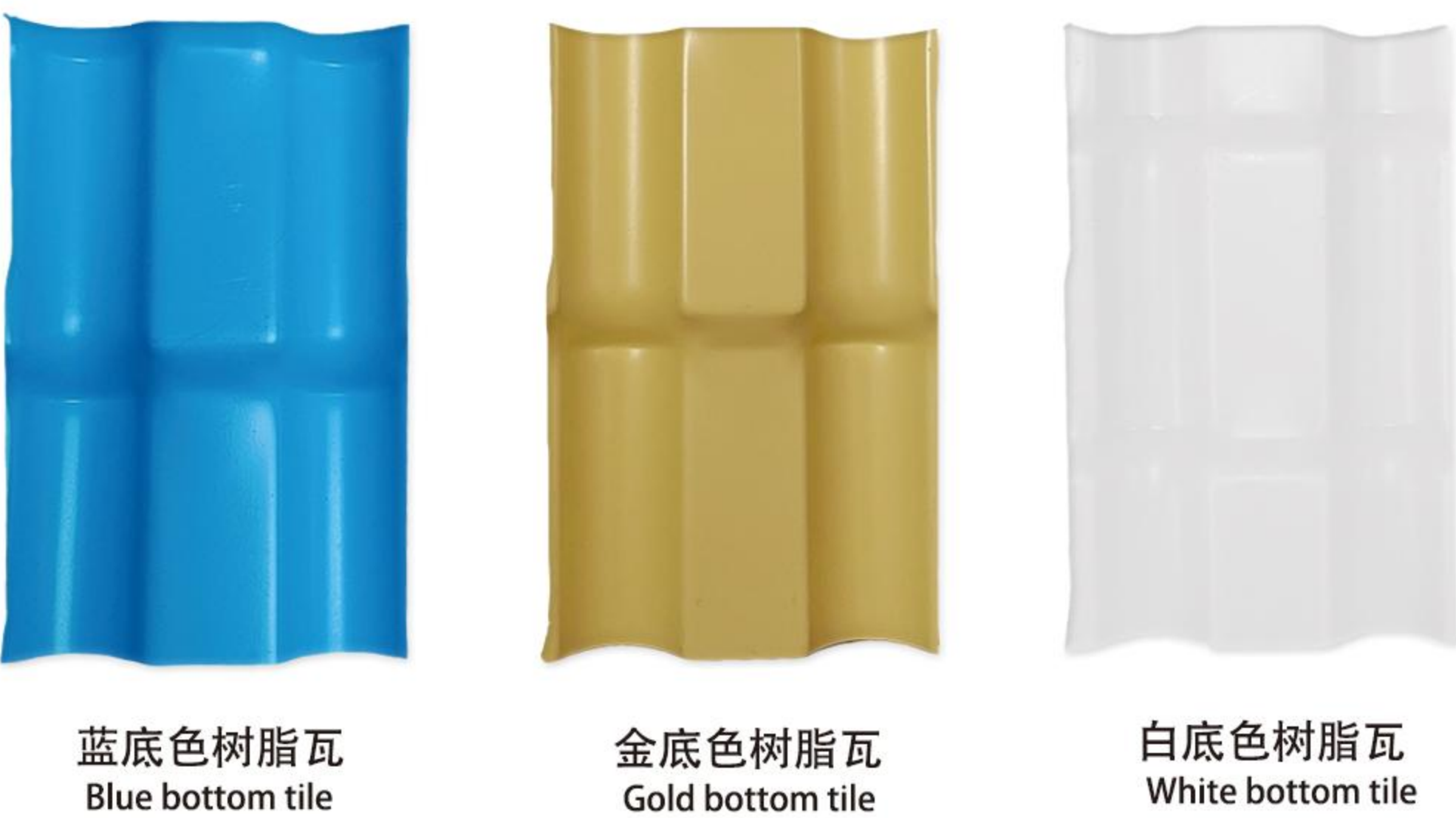
广胜佳合成树脂瓦选用优质树脂原材料，适量添加其它辅助性工业原料。品质优良、性价比高。广受新老客户的高度评价和推崇。具有重量轻、强度大、防水防潮、防腐阻燃、隔音隔热等多种优良特性

Guangshengjia synthetic resin tiles use high quality resin raw materials and add other auxiliary materials appropriate. Excellent quality and cost-effective. Widely welcomed by new and old customers. It has excellent performance, such as light weight, high strength, waterproof and moisture-proof, anti-corrosion and flame retardant, sound insulation and heat insulation and many other excellent properties



瓦长与波节数对照表 Comparison table of watt length and number of nodes									
波数 Pitch No.	瓦长 Tile Length	波数 Pitch No.	瓦长 Tile Length	波数 Pitch No.	瓦长 Tile Length	波数 Pitch No.	瓦长 Tile Length	波数 Pitch No.	瓦长 Tile Length
1	0.22m	4	0.88m	7	1.54m	10	2.20m	13	2.86m
2	0.44m	5	1.10m	8	1.76m	11	2.42m	14	3.08m
3	0.66m	6	1.32m	9	1.98m	12	2.64m	N	N*0.22m

分类CLASSIFICATION



为区分其它品牌树脂瓦，我们设计了三种底色做为我们产品的标识，分别为蓝色、金色和白色。客户还可以选择不同厚度的ASA膜，膜厚度可以为0.08毫米和0.3mm。如果订单数量大，底色和ASA膜厚度接受定制，ASA膜厚范围0.05mm-1.25mm。

In order to distinguish other brands of resin tiles, we have designed three types of bottoms. The colors used as the logo of our products are blue and gold and white. Customers can also choose ASA films of different thicknesses. Film thickness can be 0.08mm and 0.3mm. If the order quantity is large, the background color and ASA film thickness can be customized. (ASA film thickness range 0.05mm-1.25mm)

合成树脂瓦系列

SYNTHETIC RESIN TILE SERIES



性能PERFORMANCE

⚡× 耐候性 Weather Resistance

表面覆压优质ASA耐候膜,可以抵抗紫外线辐射,不惧酸雨侵蚀,耐久性极佳。

The surface is covered with high-quality ASA weather-resistant film, which can resist ultra-violet radiation, is not afraid of acid rain erosion, and has excellent durability.

💧× 防腐性 Corrosion Resistance

在盐、碱及60%以下各种酸中浸泡24小时无化学反应、不褪色,适用于酸雨地区、腐蚀性厂房和沿海地区。

There is no chemical reaction after soaking in salt, alkali and various acids below 60% for 24 hours, and no color fade. It is suitable for acid rain areas, corrosive factories and coastal areas district.

⚡× 抗冲击性 Impact Resistance

广胜佳合成树脂瓦具有较强的承重力和抗冲击力,经1kg钢球落锤实验,产品从2米高处自由下落至瓦面,瓦体无裂痕和破损出现。

Synthetic resin tiles have strong loadbearing capacity and impact resistance. A 1kg steel ball dropped freely from a height of 2 meters to the tile, there is no cracks or damage on the tile body.

🏠× 隔热性 Thermal Insulation

该产品的导热系数为0.325w/m.k,同时是全遮光,相比二层共挤,优势在于大幅度提升隔热性能。

The thermal conductivity of this product is 0.325 w/m.k, and it is fully shading. Compared with two layer co-extrusion has the advantage of greatly improving the thermal insulation performance.

🔥× 阻燃性 Fire Retardant

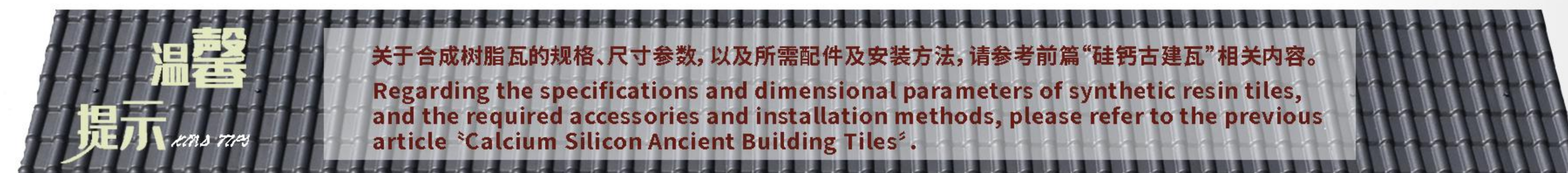
经国家化学建筑材料测试中心检测,按照GB8624-2012“建筑材料及制品燃烧性能分级”判定,属于B1级难燃材料。

Tested by the National Chemical Materials Testing Center, It belongs to B1 level flame retardant material. (According to GB8624-2012 "Building materials and products combustion performance classification" judgment,

🔊× 隔音性 Sound Insulation

在遭遇暴雨、大风等外界噪音影响时,瓦具有很好的吸收噪音功能,比彩钢板的噪音降30dB以上。

When encountering external noise such as heavy rain and strong wind, the tiles have good absorption properties. The noise function is more than 30dB lower than that of color steel plates.



应用APPLICATION

合成树脂瓦发展至今已近20年,产品技术已日趋稳定和成熟。尽管有大量新的替代品,但它在建筑材料市场上仍然占有重要地位。适用于平改坡、旧屋翻新改造工程。园林楼阁,民宿度假区建筑屋面装饰装修,以及各种大跨度厂区、仓库的建筑屋面等。

Synthetic resin tiles have been developed for nearly 20 years. The technology has become increasingly stable and mature. Although there are many alternative products, it still occupies an important position in the field. It is suitable for flat to slope and old house renovation projects. Garden pavilions, B&B resort building roof decoration, and various big span factory areas, warehouse building roofs, etc.

工程案例

PROJECT CASE



2016年北京三河某居民社区工程案例
2016 Community housing project in Beijing



2019年北京延庆民宿工程案例
2019 Yanqing B&B Project in Beijing



2020年天津某景区屋面翻新工程
2020 Roof renovation project in Tianjin



2023年河北石家庄某村集体屋面改造工程
2023 Rural Renovation Project in Hebei



2015年北京某别墅屋面装饰工程案例
2015 Villa roof decoration project in Beijing

铝镁锰金属瓦系列

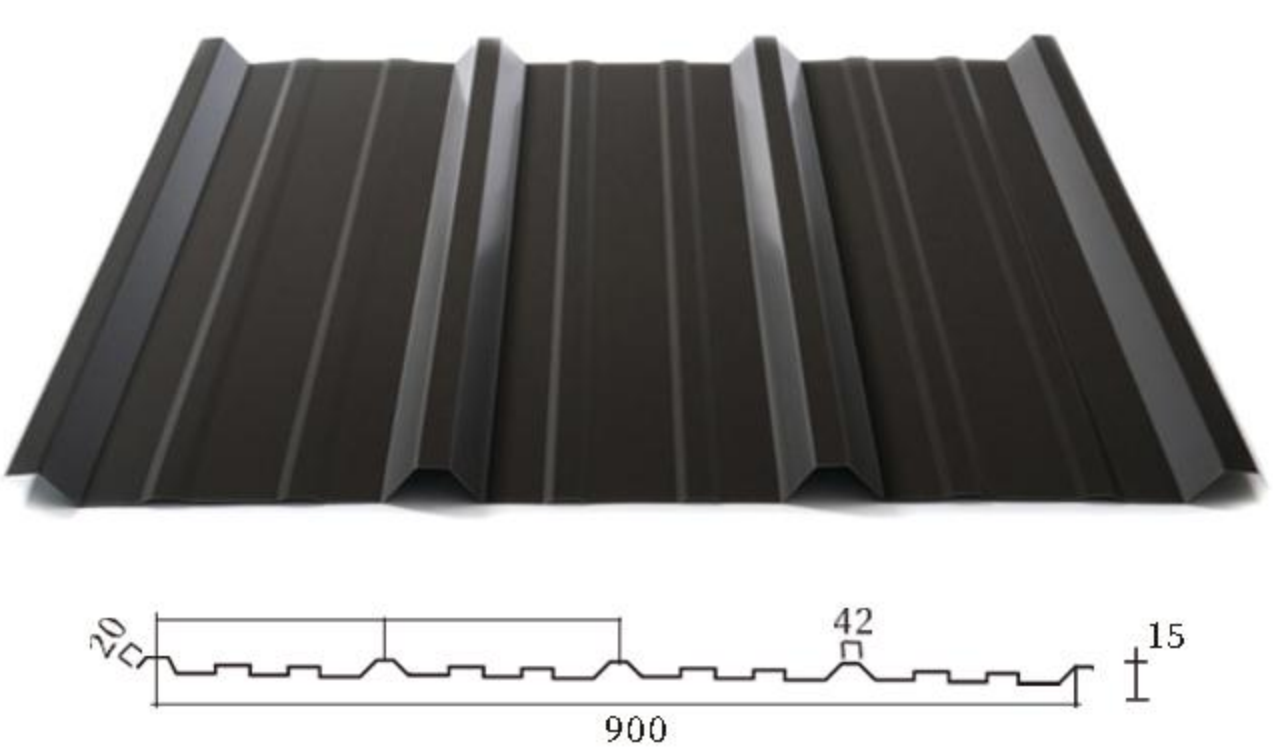
AlMgMn METAL TILE SERIES



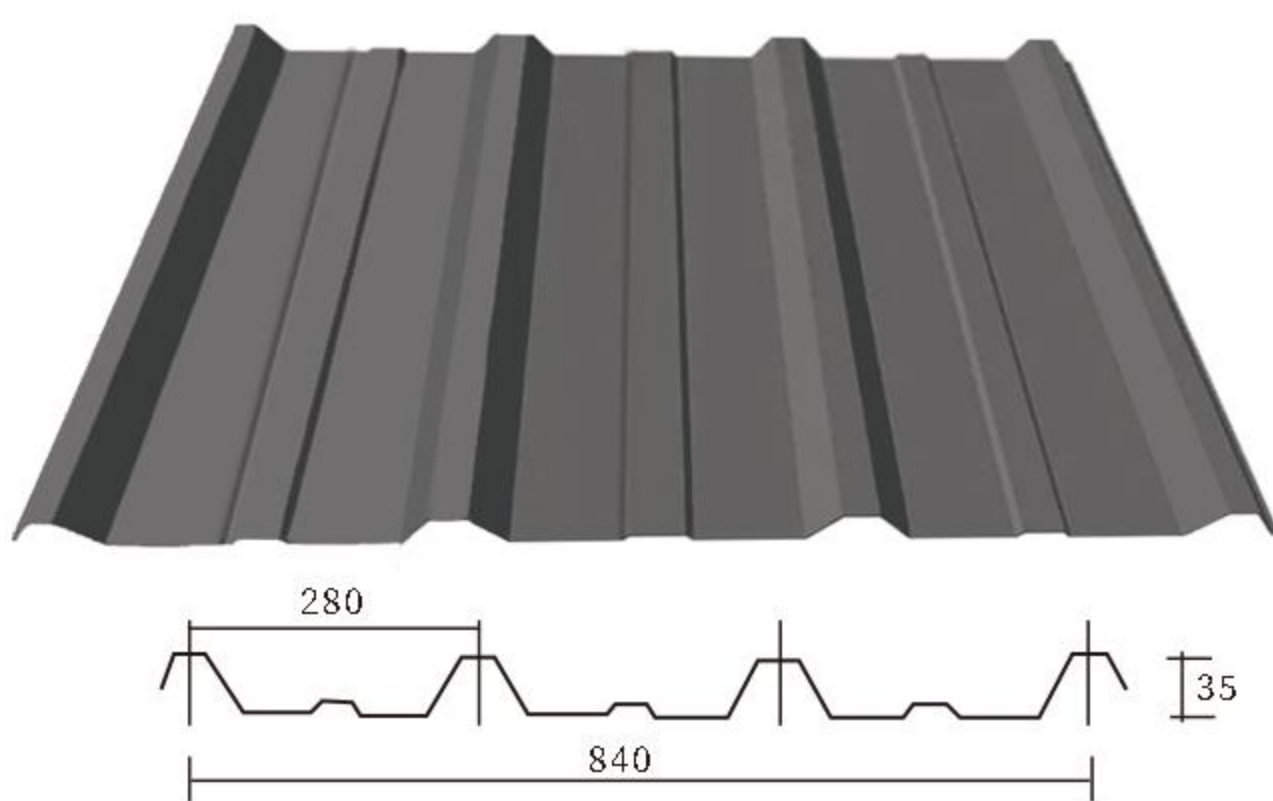
相比于传统的屋面瓦，金属瓦的优点有可塑性强，易安装，重量轻，抗冻融等特点。常见金属瓦按造型分为波纹型、菱型、罗马型，S型等。按材质可分为铝合金瓦、镀铝锌瓦，铜瓦、不锈钢瓦、彩钢瓦等。广胜佳可以为客户提供铝镁锰金属瓦、镀铝锌瓦、彩钢瓦等。

Compared with traditional roof tiles, Metal tiles have the advantages of strong plasticity, easy installation, light weight, and resistance to freezing and thawing. Normally metal tiles are divided into corrugated type, diamond type, Roman type, S type, etc. according to the shapes. According to the material, it can be divided into Aluminum Alloy sheet, Galvalume sheet ,Copper tiles, Stainless steel sheet, Color steel tiles, etc.GUANG SHENG JIA can provide Auminum magnesium manganese metal tiles, color steel tiles and other products.

分类CLASSICIFICATION



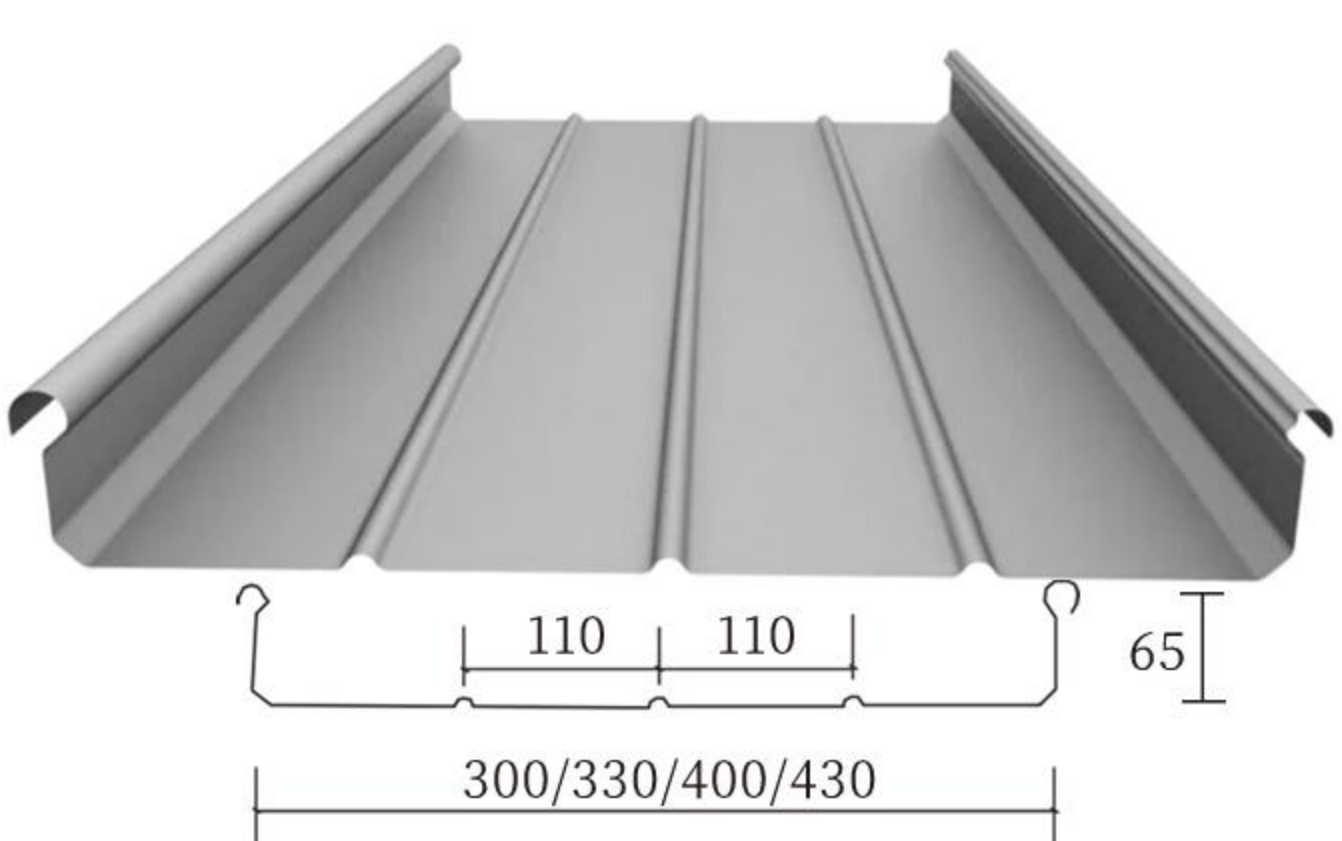
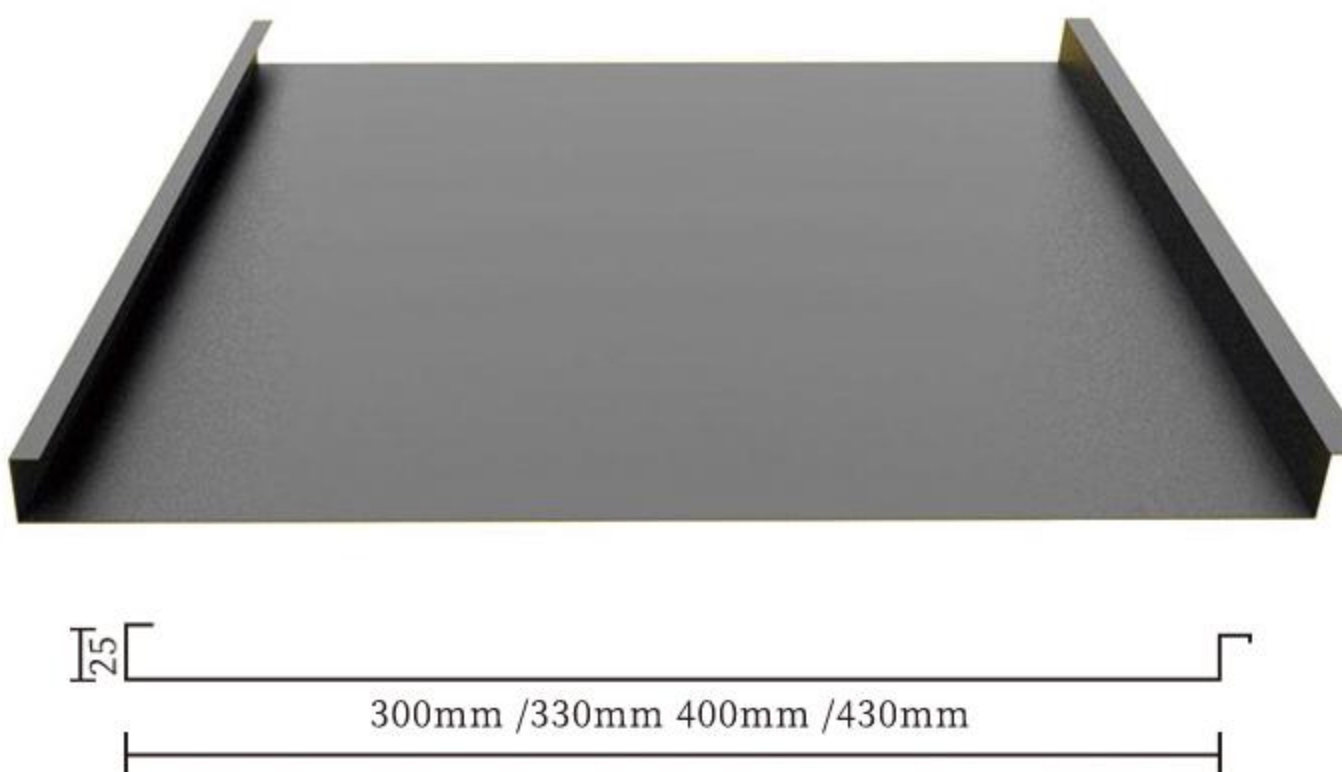
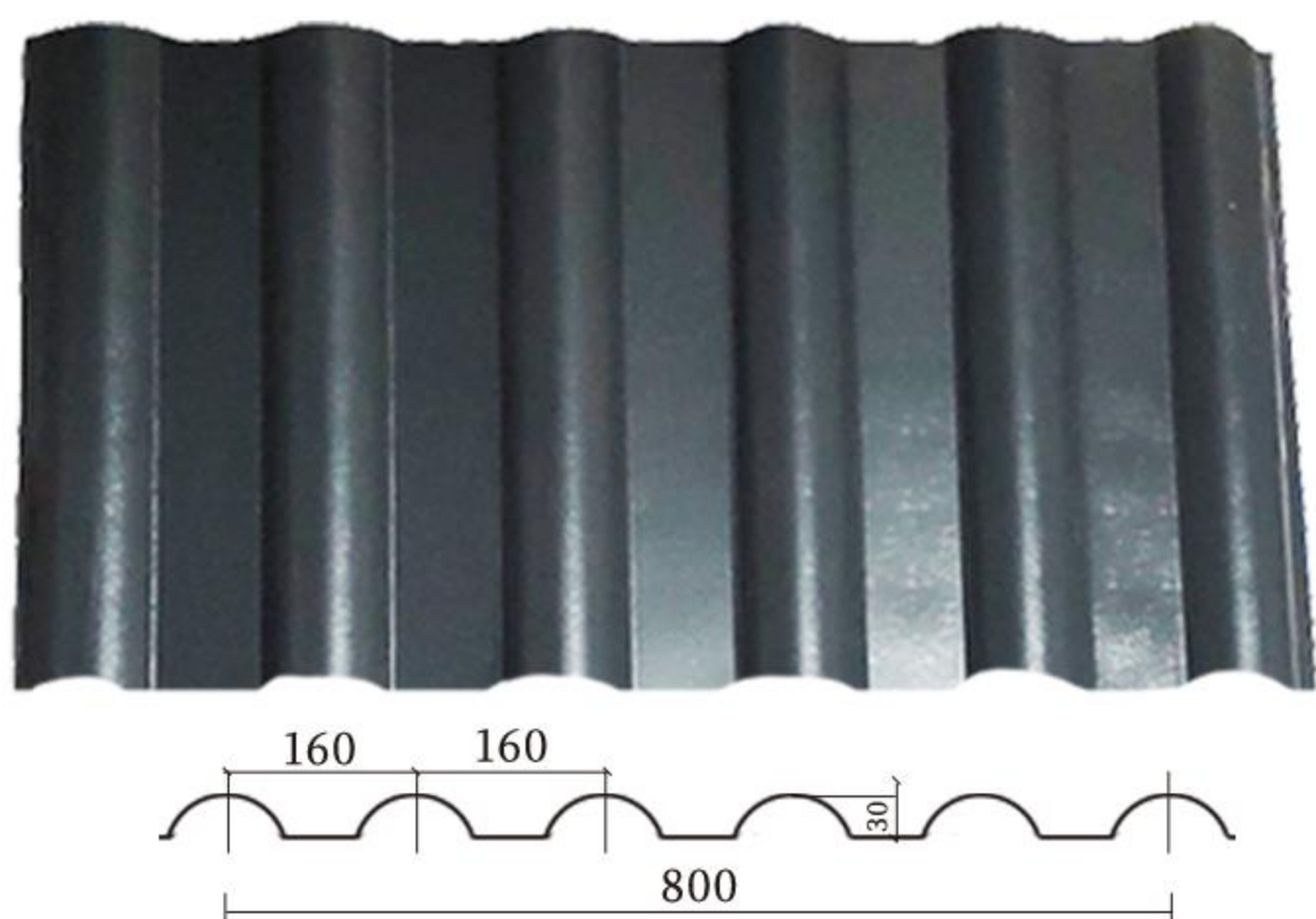
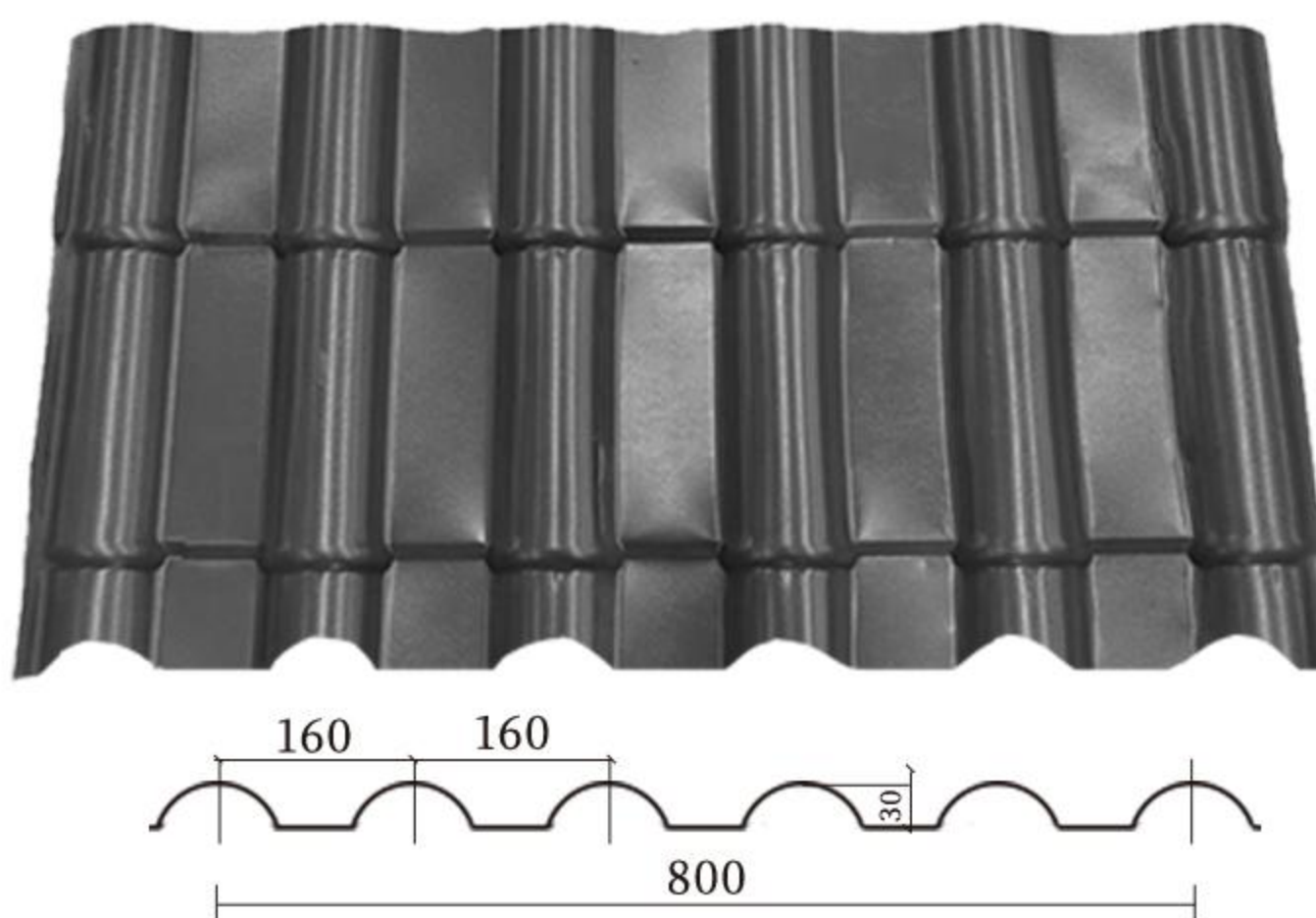
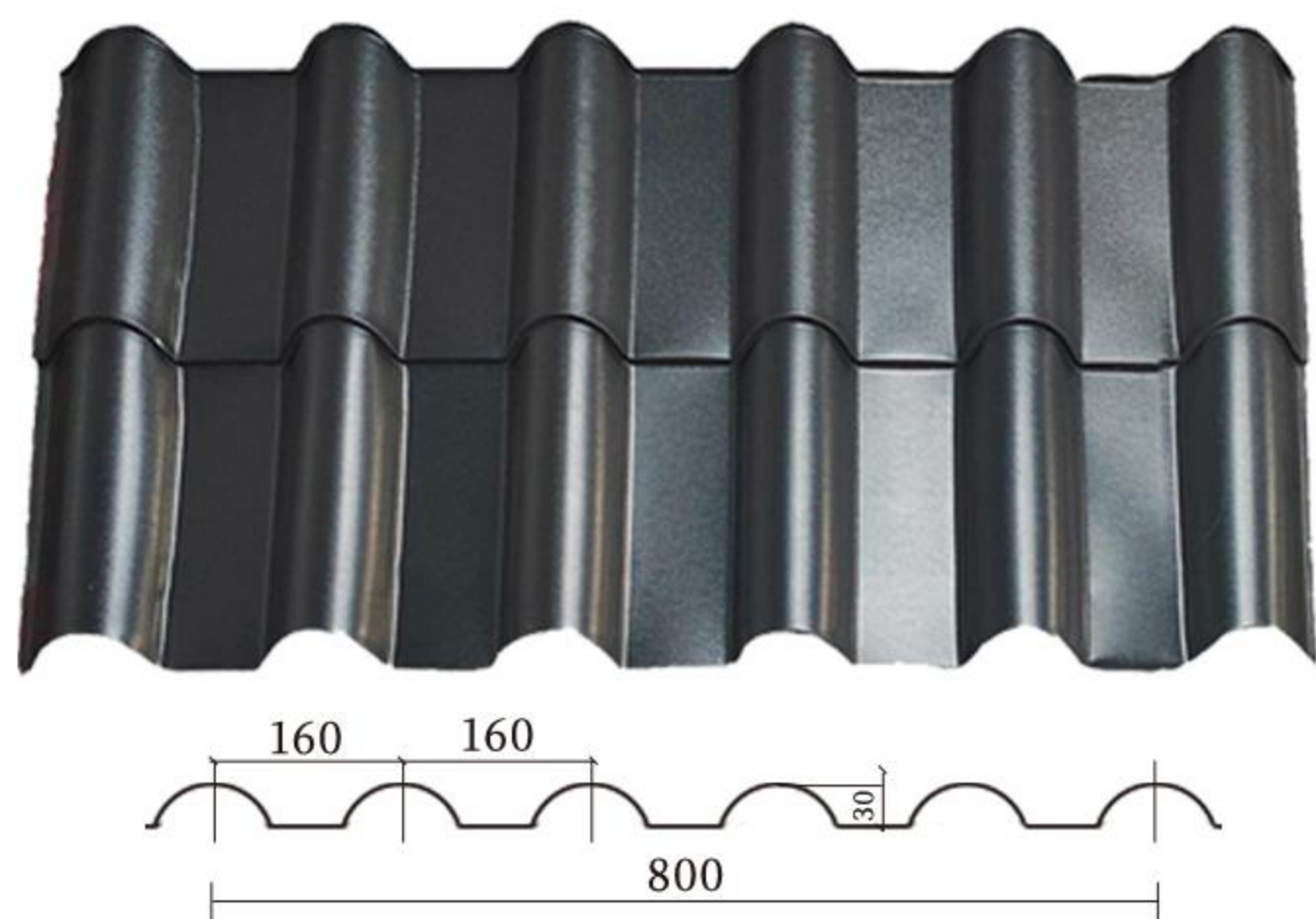
GMT15-225-900					用途APPLICATION
压型板型号TYPE					
有效覆盖宽度 (MM)EFFECTIVE WIDTH				900MM	
展开宽度 (MM) FEEDING WIDTH				1000MM	
材质(MATERIAL)	铝镁锰AL-MG-MN	镀铝锌板GALVALUME	彩钢COLOR STEEL		墙板、内衬板 WALL AND LINNING SHEET
板厚 (MM) THICKNESS	0.7MM-1.2MM	0.4MM-1.6MM	0.3MM-0.8MM		
耐受温度HEAT RESISTANCE	150℃	300℃-350℃	400℃-500℃		
密度DENSITY	2.73g/cm3	7.85g/cm3	7.85g/cm3		



GMT35-280-840					用途APPLICATION
压型板型号TYPE					
有效覆盖宽度 (MM)EFFECTIVE WIDTH				840MM	
展开宽度 (MM) FEEDING WIDTH				1000MM	
材质(MATERIAL)	铝镁锰AL-MG-MN	镀铝锌板GALVALUME	彩钢COLOR STEEL		墙板、屋面板 WALL AND WALL SHEET
板厚 (MM) THICKNESS	0.7MM-1.2MM	0.4MM-1.6MM	0.3MM-0.8MM		
耐腐蚀性CORRISION RESISTANCE	非常好EXCELLENT	好GOOD	不好 NOT WELL		
防雷性LIGHTNING	YES	NO	NO		

工程案例

PROJECT CASE



GMT30-160-800				用途APPLICATION	
压型板型号TYPE					
有效覆盖宽度 (MM)EFFECTIVE WIDTH			800MM		
展开宽度 (MM) FEEDING WIDTH			1000MM		
材质(MATERIAL)		铝镁锰AL-MG-MN	镀铝锌板GALVALUME	彩钢COLOR STEEL	墙板、屋面板 WALL AND WALL SHEET
板厚 (MM) THICKNESS		0.7MM-1.2MM	0.4MM-1.6MM	0.3MM-0.8MM	
导热系数THERMAL CONDUCTIVITY		100-200W/(m·K)	40 - 60W/ (m·K)	0.025-0.050/ (m·K)	
膨胀系数COEFFICIENT OF EXPANSION		2.3×10 ⁻⁵ /°C	1.2-2.0×10 ⁻⁵ /°C	10 ⁻⁵ /°C - 15 ⁻⁵ /°C	

GMT30-160-800				用途APPLICATION	
压型板型号TYPE					
有效覆盖宽度 (MM)EFFECTIVE WIDTH			800MM		
展开宽度 (MM) FEEDING WIDTH			1000MM		
材质(MATERIAL)		铝镁锰AL-MG-MN	镀铝锌板GALVALUME	彩钢COLOR STEEL	墙板、屋面板 WALL AND WALL SHEET
板厚 (MM) THICKNESS		0.7MM-1.2MM	0.4MM-1.6MM	0.3MM-0.8MM	
屈服度 YIELD		>=190Mpa	230Mpa-450Mpa	250Mpa-550Mpa	
抗拉强度 TENSILE STRENGTH		240Mpa-285Mpa	230Mpa-550Mpa	200Mpa-500Mpa	

GMT30-160-800				用途APPLICATION
压型板型号TYPE				
有效覆盖宽度 (MM)EFFECTIVE WIDTH			800MM	
展开宽度 (MM) FEEDING WIDTH			1000MM	
材质(MATERIAL)	铝镁锰AL-MG-MN	镀铝锌板GALVALUME	彩钢COLOR STEEL	墙板、屋面板 WALL AND WALL SHEET
板厚 (MM) THICKNESS	0.7MM-1.2MM	0.4MM-1.6MM	0.3MM-0.8MM	
表面漆 SURFACE PAINT	PVDF, SMP, PE, HDP	PVDF, SMP, PE, HDP	PVDF, SMP, PE, HDP	
使用寿命 LIFE SPAN	25-50YEARS	10-20YEARS	5-15YEARS	

矮立边板屋面板Low standing edge roof sheet		独特点POINT DIFFERENCE
压型板型号TYPE	GMT25系列	矮立边屋面板使用专门的立边和自动咬合设备，在沿着板条长度方向上将两块板的立边进行咬合，从而将屋面或墙面连接成为一个整体。系统不需要打胶，100%结构性防水。除适用于常规屋面外，它还适用于各种球型、曲面型屋面，艺术效果极好，倍受设计师欢迎。 Low vertical edge roof panels use special vertical edges and automatic snapping equipment to snap the vertical edges of two panels along the length of the panels to connect the roof into a whole. The system does not require glue and is 100% structurally water-proof.Except regular roofing, it is also suitable for v-arious spherical and curved roofs .Have excellent art-istic effects.
材质(MATERIAL)	铝镁锰合金 Aluminum magnesium manganese	
板厚 (MM) THICKNESS	0.7MM-1.2MM	
宽度THICKNESS	330mm / 400mm /430mm	
漆面PAINT	PE\ HDP\PVDF \SMP	
颜色COLOR	GREY,ACCEPT CUSTOM	
长度LENGTH	Less than 5.8m	

直立锁边屋面板Standing seam roof sheet		独特点POINT DIFFERENCE
压型板型号TYPE	GMT65系列	直立锁边屋面板使用专门的立边和自动咬合设备，在沿着板条长度方向上将两块板的立边进行咬合，从而将屋面或墙面连接成为一个整体。系统不需要打胶，100%结构性防水。除适用于常规屋面外，它还适用于各种球型、曲面型屋面，艺术效果极好，倍受设计师欢迎。 Standing seam roofing panels use special vertical edges and automatic snapping equipment to snap the vertical edges of two panels along the length of the panels to connect the roof into a whole. The system does not require glue and is 100% structurally water-proof.Except regular roofing, it is also suitable for v-arious spherical and curved roofs .Have excellent art-istic effects.
材质(MATERIAL)	铝镁锰合金 Aluminum magnesium manganese	
板厚 (MM) THICKNESS	0.7MM-1.2MM	
宽度THICKNESS	330mm / 400mm /430mm	
漆面PAINT	PE\ HDP\PVDF \SMP	
颜色COLOR	GREY,ACCEPT CUSTOM	
长度LENGTH	Less than 5.8m	

铝镁锰金属瓦系列

AlMgMn METAL TILE SERIES



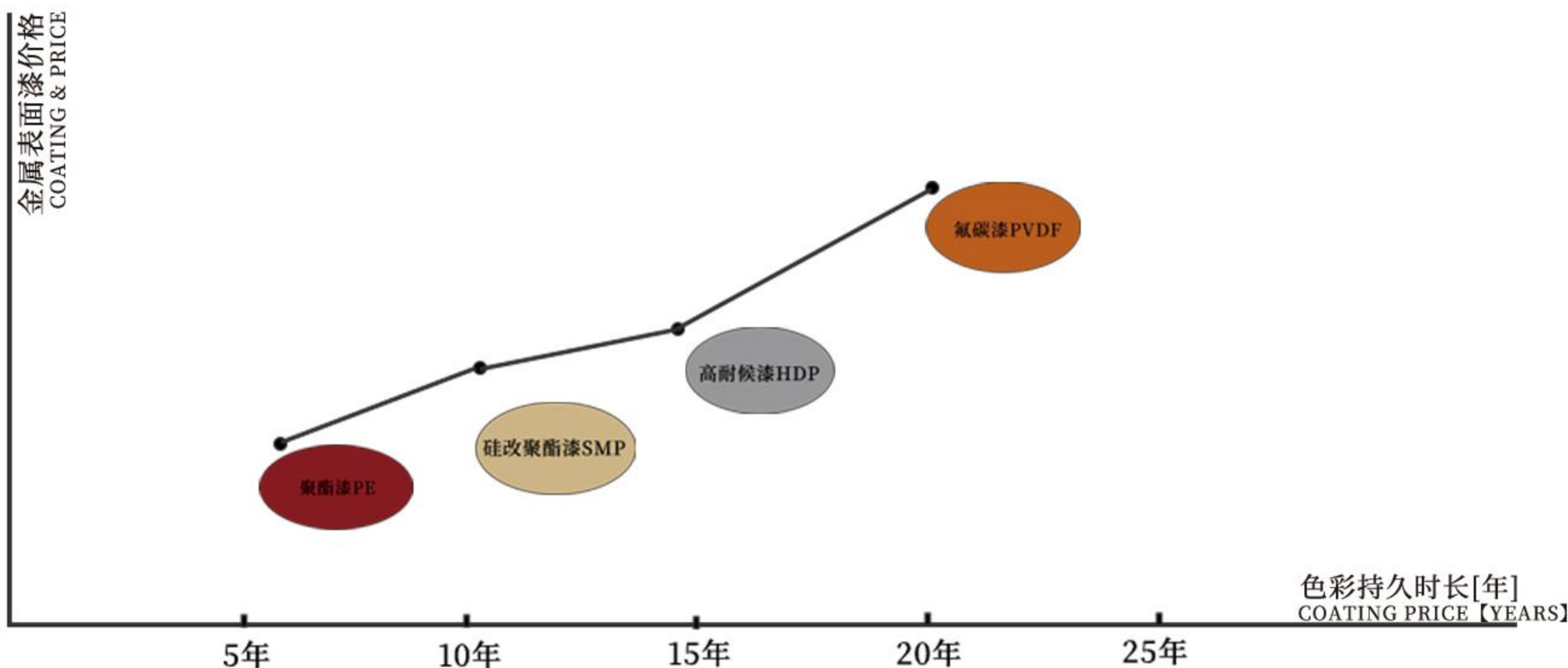
性能PERFORMANCE

优点: 1.绿色环保, 100%可回收再利用; 2.质量相对较轻, 单张面积大, 装卸和运输比较方便安装快捷。3.抗震、防火、强度高, 不易被损坏; 4.易塑形, 而且效果好。适用于大面积,跨度较大的公共建筑、厂房、仓库、围栏、农场和临时建筑等。

Advantages: 1.Green and ECO-friendly, 100% recyclable;2. Relatively light weight,large sheet area, convenient loading, unloading and transportation, quick installation 3.It is earthquake-resistant, fire-proof, has high strength and is not easily damaged;4. it is easy to shape and has good effect. Suitable for large-area, large-span public buildings, Factories,Warehouses, Fences, Farm and temporary buildings, etc.

缺点:1.价格相对较贵; 2.雨天和强风天气的噪音比较大; 3.隔热保温性能较差; 4.需定期维护和检查, 做到及时修补。4.安装需要非常专业的施工队伍和技术, 安装不当可能会导致漏水或者其他问题。

Disadvantages: 1. The price is relatively expensive; 2. The noise is relatively loud in rainy days and strong winds; 3. The heat insulation performance is poor;4. Regular maintenance is required.Carry out maintenance and inspection and make timely repairs. 4. Installation requires a very professional construction team and technology. Improper installation may cause water leakage or other issues.



小贴士: 影响金属瓦寿命重要原因之一就是表面的漆面涂层。常见漆面种类使用价格与寿命示意图如右。仅供参考
TIPS : One of the important reasons affect the life of metal tiles is its surface paint coating. Prices for common paint types The life span diagram is shown on the right. For reference only.

工程案例

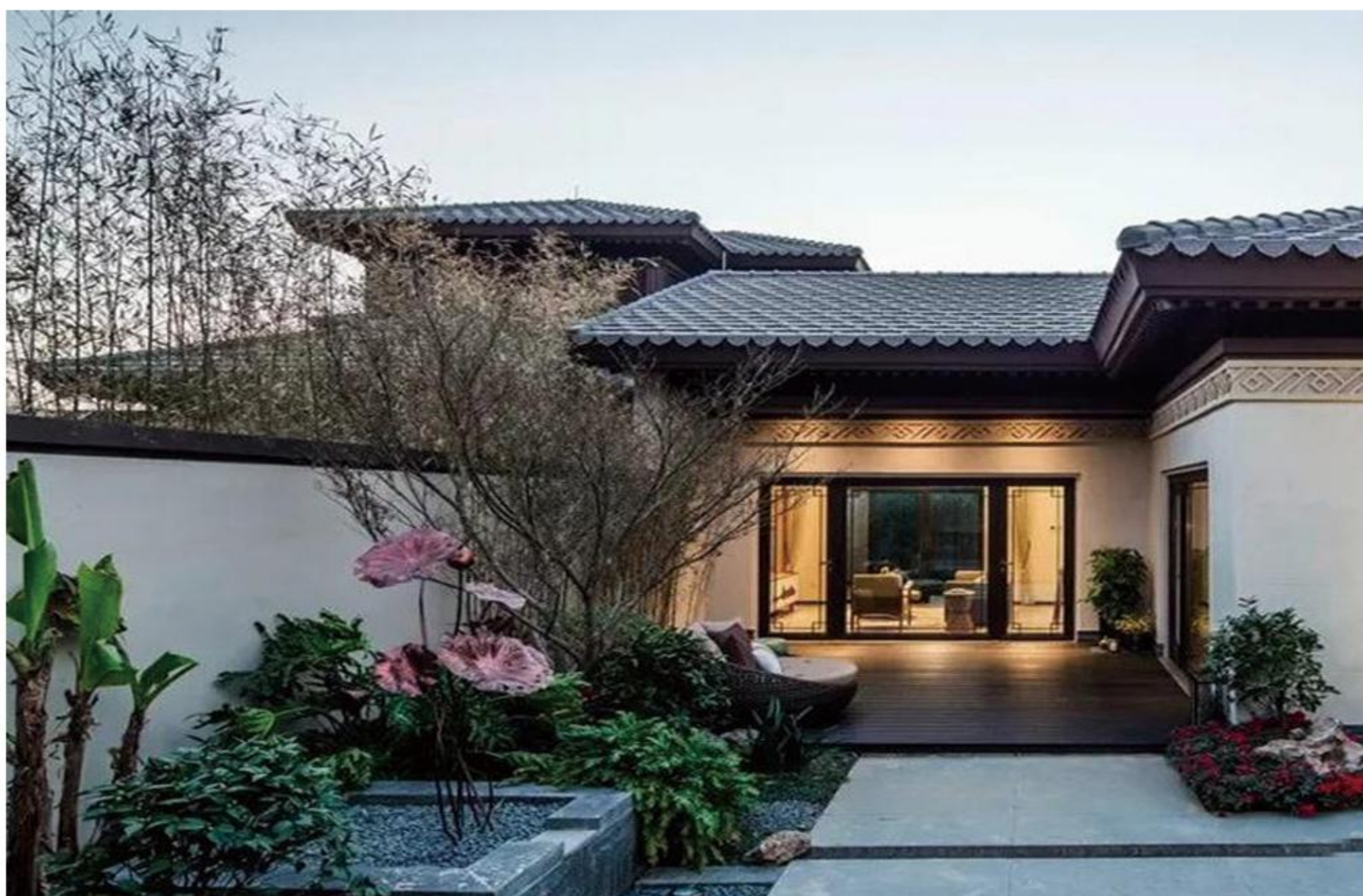
PROJECT CASE



2022年天津静海工业区工程案例
2022 Industrial Zone Project Case Tianjin



2019年天津滨海海晶集团厂房工程案例
2019 Factory Building of Haijing Group In Tianjin



2020年北京房山私人别墅工程案例
2020 Fangshan Private Villa Project Beijin



2016年河北唐山厂房工程案例
2016 Factory project case in Tangshan



2016年河北唐山某景区办公楼
2016 Office building in a scenic spot