BMI MONIER



StreetBond[®] 立体景观路面系统
StreetBond[®] Scenic Pavement Solutions



美国标准工业是一家全球性的工业集团, 致力于建筑材料 及相关投资业务,旗下包括 BMI 集团和美国盖福 GAF 集 团,其中 GAF 是北美最大的商业和民用建筑屋面生产企 业之一。整个标准工业集团已成为目前全世界最大的屋面 系统和防水制造集团之一。

曼宁家(中国)作为美国标准工业集团在中国唯一的经营 机构, 负责 BMI 和 GAF 及其旗下品牌在中国的生产经营 及市场活动。目前已经在中国投资建设了5家生产基地, 中国区总部位于上海。

Standard Industries Group

Standard Industries a globalized world-leading enterprise, majoring in building materials and related investment, is the largest manufacturer of roof & water-proofing materials. Under Standard Industries, BMI and GAF have long been the biggest suppliers of commercial and civil roofs.

Monier (China), with its headquarters in Shanghai and 5 plants located all over the country, is the unique entity of Standard Industries in China. It is in charge of all BMI and GAF's business in Chinese market.

BMI 历史

BMI History



1876

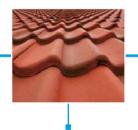
Jens Villadsen,一名专门 从事屋面修理的木匠成立了 Icopal——Standard 的首家欧洲 平屋面企业。

Standard's first European flat roofing business, Icopal, was founded by a carpenter, Jens Villadsen.



1886

Standard Paint 公司成立。 Standard Paint was founded.



1919

Standard 的欧洲坡屋面处理企业 成立(Redhill Tile 公司),后来 改名为 Braas Monier,生产了第 一片混凝土屋面瓦。

Redhill Tile (later named as Braas Monier), Standard's first European pitched roof business, was founded, and produced the first piece of concrete tile



1962

Icopal 研发世界上第一款聚合物 增塑 PVC 防水卷材。

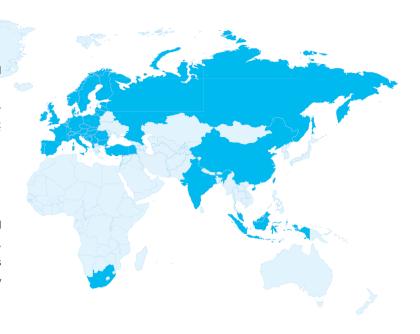
Icopal developed the world's first polymer plasticized PVC waterproofing membrane.

BMI 集团

BMI集团隶属美国标准工业集团(Standard Industries)。随着 Braas Monier 和 Icopal 的合并, BMI 集团于 2017 年成立。这两个集团的合并 意味着业内一些最顶级和最值得信赖的品牌实 现了"强强联手"。

BMI Group

BMI group, part of Standard Industries, is founded in 2017 with the merger of Braas Monier and Icopal. The combination of the two groups represents some of the industry's top and most trustworthy brands have joined forces.



BMI 旗下品牌 **BMI Brands**

























Coverland







BMI COBERT



BMI Redland



BMI Decra



1993

英红在中国佛山建立第一家混凝 土瓦工厂,标志着曼宁家进驻中 国市场。

Redhill built its first concrete tile factory in Foshan, China, marking Monier's entry into Chinese



GAF 位于印第安纳州芒特弗农的

GAF'S TPO plant in Mount Vernon, Indiana, was opened.

TPO 工厂成立。



2007

成立于 1846 年, 拥有近 160 年 历史的 VEDAG 成为丹麦 Icopal 集团的成员,该集团是屋顶和结 构防水产品的领先制造商。

The 160-year-old VEDAG, a leading manufacturer of roofing and structural waterproofing products, became a member of Icopal.



2016

Standard 收购 Icopal— 先的欧洲屋面处理及其他防水产 品制造商。

Standard acquired Icopal, a leading European manufacturer of roofing and other waterproofing products



2017

Standard 收购 Braas Monier, 由 Icopal 和 Braas Monier 合并 而成的 BMI 集团为欧洲、非洲和亚洲提供一整套完备的屋面处 理解决方案。

Standard acquired Braas Monier. BMI group, formed by the merger of Icopal and Braas Monier, started to provide complete range of roofing solutions for Europe, Africa and Asia.



曼宁家在中国

- BMI 集团的全资子公司
- 屋面建材行业的领先企业,提供丰富的屋面产品、完善善的屋面系统解决方案
- ■总部位于上海
- 中国拥有五家工厂:广东佛山(1993年)、浙江绍兴 (1994年)、四川成都(2000年)、江苏苏州(2007年)、河北沧州(2019年),年产能2亿片以上

2020年1月起,曼宁家(中国)全面合并 GAF 盖福中国区业务,成为美国标准工业集团在中国唯一的经营机构,负责 BMI 和 GAF 及其旗下品牌在中国的生产经营及市场活动。

Monier in China

- A solid member of BMI Group
- Leading player in Chinese roofing materials industry, providing full line of roofing products and comprehensive roofing solutions
- Headquarters in Shanghai
- 5 factories in China: Foshan (1993), Shaoxing (1994), Chengdu (2000), Suzhou (2007) and Cangzhou (2019), with a capacity of more than 200 million pieces of concrete tiles

Since Jan 2020, Monier (China) has merged GAF's Chinese business, and become the unique entity of Standard Industries in China. It is in charge of all BMI and GAF's business in Chinese market.

品牌与产品

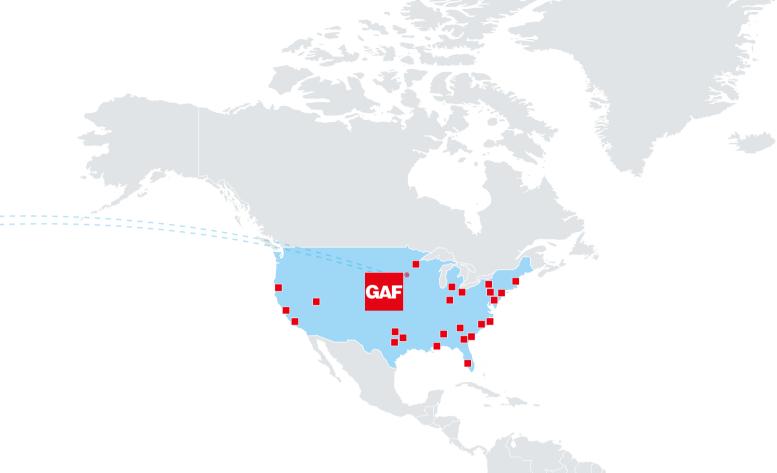
曼宁家旗下拥有知名注册品牌"英红",该品牌于1993年开始在中国市场推广,现已获得了广泛的认可,对于许多的开发商、建筑师与用户来说,"英红"已经成为"混凝土瓦"的代名词。

除了"英红"品牌混凝土瓦与配件,曼宁家还提供了全系列的进口陶土瓦及其配件,同时我们还向市场提供完整的屋面系统组件,涵盖屋面防水排水、屋面节能、屋面保温、屋面紧固、屋面通风等不同功能。

Brands and Products

Monier has a well-known registered brand "英红", which started promotion in China since 1993 and has been widely recognized. For many property developers, architects and users, "英红" has become a synonym for "concrete tiles".

In addition to "英红" concrete tiles and accessories, Monier also provides full series of imported clay tiles and accessories, and a complete system of roofing components, including drainage, energy saving, insulation, fastening, ventilation, etc.



GAF[®] (盖福[®])

全球领先的建筑材料品牌

- 130 年的卓越历史,因不断创新而闻名遐迩
- 年销售额 30 亿美元
- 领先的建筑材料供应商,主要产品包括防水涂料、 TPO 防水卷材、High Definition® 沥青瓦等
- 遍布全球的服务网络

GAF[®](盖福[®])的美国工厂成立于 1886 年,是北美最大的商业和民用建筑材料生产企业之一。作为行业领导者,GAF[®](盖福[®])以提供商业和民用建筑行业领先的创新型屋面产品为己任。

The World Leading Construction Material Provider

- History of more than 130 years, well-known for innovation
- Revenue of over USD 3 billion
- Leading supplier of building materials, including coating,
 TPO membranes, High Definition® shingles, etc
- Global service network

GAF is one of North America's largest commercial and civil building material manufacturers. Its first factory in USA was established in 1886. As an industry leader, GAF^{\circledcirc} is very proud to provide industry-leading innovative building materials for commercial and civil buildings.

GAF[®] (盖福[®]) 目前设有 24 个生产和 研发机构

GAF®(盖福®)极为重视整个建筑材料行业投资与研发。每个工厂都配备一流的设备,而且周边的交通极为便利。这有利于不断扩大产能,更高效的服务客户,提供更多改变行业的产品。我们从事建筑材料行业已超过130年。美国盖福是保护您资产性物业的理想选择。

GAF®'s 24 Production and R&D Institutes

GAF® attaches great importance to the investment and development of the entire building materials industry. Each factory is equipped with state-of-art equipment and convenient transportation. This will contribute to continuous expansion of capacity and more efficient service to customers, so to provide more industry-changing products. With a 130 year history of building materials, GAF's is the ideal choice for protecting your most precious properties.

为什么要使用 StreetBond® 道路专用涂料 Why Use StreetBond® Coating Systems

Common Pavements:



沥青路面

沥青路面特点: 沥青是常见的柔性路面材料,可形成一个连续 的、无膨胀的整体表面,使路面平整。但沥青路面长期暴露在日 晒雨淋、化学腐蚀之下容易过早老化,丧失弹性,导致开裂及骨 料损失。

Asphalt is a common flexible pavement material that can form a continuous and integral pavement surface. While, long-term exposure to sunlight, rainfall, and chemical corrosion, can cause premature aging of the pavement, resulting in cracking and aggregate loss.



混凝土路面特点: 混凝土路面因弹性不足, 为应对路面的热胀冷 缩,会在铺设时预留接缝,这增加了水穿透对基层造成损坏及滋 牛各种牛物的风险。

Joints need to be reserved during the laying process of concrete pavement to cope with thermal expansion and contraction. However, this will also increase the risk of water penetration and weeds growth.



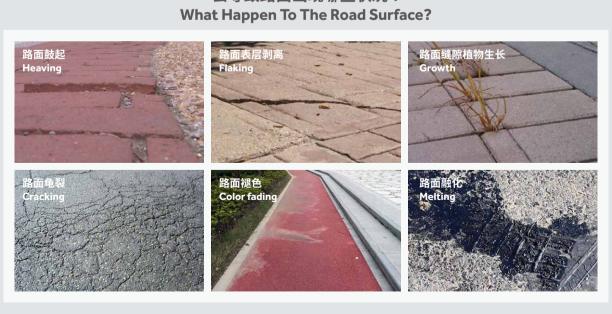
未受保护的路面会受到哪些外在因素的侵害:

- 长时间的阳光辐射
- 降雨或其它因素产生的水侵蚀
- 外在化学品的侵蚀
- ■路面的老化

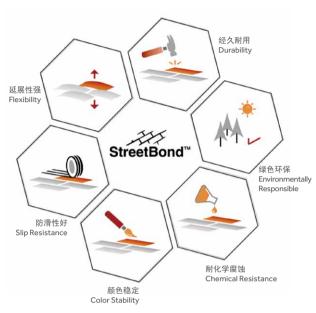
What External Factors Will Affect The **Unprotected Pavement:**

- UV damage
- Water invasion
- Chemical corrosion
- Loss of aggregates

会导致路面出现哪些状况?



StreetBond[®] 的优势 The Advantages of StreetBond[®]



经久耐用:

- ■抗 UV 紫外线辐射
- ■固化迅速,功效持久

延展性强:

- ■固化成膜后弹性十足
- 其膨胀系数与沥青接近,不会出现 开裂、分层和剥离

安全防滑:

■干燥时防滑系数可达 0.88,有效防止打滑

颜色稳定:

■独特的水性树脂双组分材料,确保 超高的色牢度

耐化学腐蚀:

■能够有效抵御汽油、机油、除冰剂 等化学物质的侵蚀

绿色环保:

■超低 VOC 排放,绿色环保健康

Durability:

- UV-resistance
- Fast curing and lasting effect.

Flexibility:

- Flexible after curing
- Similar expansion coefficient with asphalt, no cracking, flaking or stripping.

Slip Resistance:

 Anti-skid factor up to 0.88 when dry, effectively prevent skidding.

Color Stability:

 Unique water-based resin two-component material, ensuring ultra-high color fastness.

Chemical Resistance:

 Effectively resist chemical erosions of gasoline, oil, deicing agent, etc.

Environmentally Responsible:

 Ultra-low VOC emission, environmentally friendly.

显著改善城市热岛效应

Avoiding Urban Heat Island Effect

StreetBond® SB150 SR(太阳反射)路面涂料能够反射阳光,使沥青保持凉爽,延缓老化和降解过程,创造更安全、舒适的环境。SR 涂料最高的阳光反射率为 73%,平均阳光反射率为 40%。

StreetBond® SB150 SR pavement coating can reflect sunlight, and keep asphalt cool, so as to delay aging and degradation processes, and create a more comfortable environment. Its highest sunlight reflectivity is 73%, and the average is 40%.



无保护的沥青路面 阳光反射率为 0.06 Asphalt-SR 0.06



无保护的混凝土路面 阳光反射率为 0.18~0.22 Concrete-SR 0.16-0.22



StreetBond 涂料养护过的 路面阳光反射率为 0.39 StreetBond SR 0.39



什么是 城市热岛效应

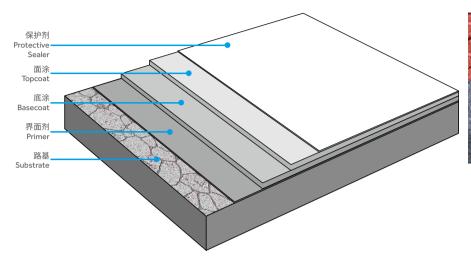
城市热岛效应指城市的温度高于周围农村地区。因为白天深色路面和屋顶缺乏足够阳光反射性能,导致其温度高于周边地区。

What is Urban Heat Island Effect

Urban heat islands are urban areas where the temperature is higher than the surrounding rural areas. Why? Typical darkcolored pavements and rooftops absorb more heat than they emit during the day.

一站式路面解决方案

One-Stop Pavement Solution





我们的产品能更有效的保护路面 Our Products Can Protect The Road More Effectively









检测认证 Testing And Certification

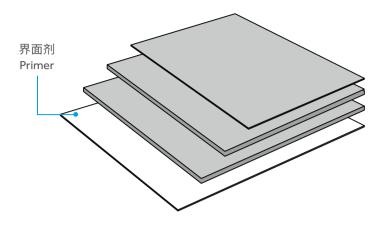




	序号	名称	29	设备编号
Rt.	1	ASSESSMENT	PL-2G	E-1002
N	1	推式學療系教育状況	MASTRAD DPE-8	1465
*	3	不和斯时间测定仪	BET	M-676
	- 4	9708	53-9	M401
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样品说明	2. 本报告 提供并确	1号:20190429469; 中群品名称、型号规格及生产单 人。 (位服供各往信息:美國 Street的		
£2		检察项目由委托单位选择确定。		

801	wan.	技术要求	校訓結束	
or second		14.50	税制度	申項相论
LEBAR		于集成型后。最色、普邦教教分 布皮均匀,无数权、普邦教教教 專等政策。	存合要求	28
1.65M		在水中提 246 应无异常规律。	种企製家	0.6
ARMS.		应领氧化钙燃和溶液干燥 245 无 异常双氯。	的介質求	0.00
4.原层包藏民權性		- 10℃保养 4b、 京都改置 4b 为一 个循环,进度做工个循环层投充 假収。	noma	0.00
Contraction of	* dance of	45gBFN<55	17.1	20
S. EL IN H. CRPN	*****	55(8FN<56		Es
	ARRE	88N276	**	0.00
6.基料在容器中的状态		应无结束、组皮现象、基于模匀。	符合策化	0.8
1,860MN (min)		518	22	28
KBRHEN (別開任)		54 W	28	28
9. × 88	快干炸器型	500	160	1
DT (min)	機下が設定	≤360	149	0.0
10.958NR (mm)		54	-4	248
11.英式硬度		26	1	28
	马运馆	- 2/1- wa	31/2	BS.

StreetBond[®] 界面剂 StreetBond[®] Primer





根据基层的各种不同材质和使用状况,StreetBond[®] 针对性地研制了专用界面剂,以确保整个系统的粘接强度及耐久性。

StreetBond® specifically develops various primers based on different substrates and conditions of pavements, to ensure adhesion and durability of the whole system.

为什么要使用 StreetBond® 界面剂:

使用界面剂后,能让 StreetBond® 涂层更加稳固、 持久的附着于基层。

StreetBond® 界面剂的 4 大特点:

- ■抵御盐碱、油污、有机溶剂的侵蚀
- 深入渗透基层,形成物理及化学性能兼顾的 其面
- ■固化松散、粉化的基面
- 健康环保、无毒无味、便于清洁

Why use StreetBond® Primer:

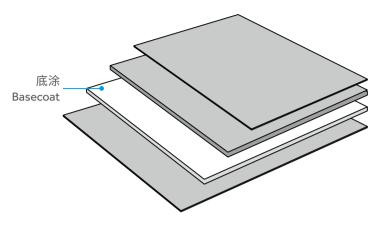
If StreetBond® Primers not used over substrates; the StreetBond coating may not remain adhered over time

Advantages of StreetBond® Primer:

- Protects against destructive salts, oils, solvents, and gasoline.
- Penetrates into the surface, creating a tenacious physical and chemical bond.
- Helps to solidify punky or chalky surfaces.
- Low odor and easy to clean up.



StreetBond® 120 室外道路专用涂料 StreetBond® 120 Outdoor Road Coating





StreetBond® 120是一款性能稳定、经济适用的水性环氧 改性树脂双组分室外道路专用涂料,耐久性可达10年以 上,具有抗紫外线,高弹性,耐水及化学腐蚀等优势,广 泛应用于常规荷载及休闲景观路面。 StreetBond® 120 is a stable and economical epoxy-modified, acrylic, waterborne coating specifically designed for application on outdoor pavements, with a durability of more than 10 years. It has high UV resistance, superior flexibility, and excellent chemical corrosion resistance, and is widely used in conventional load and leisure landscape pavements.



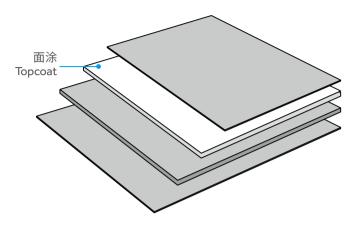
StreetBond®涂料的主要成分为水性环氧改性树脂,专为满足室外道路交通需求而设计。StreetBond®涂层无惧水对传统水性涂料的软化作用,并且即使暴露于汽油、机油、除冰剂等化学物质下,也不会损坏、溶解。

StreetBond® coatings are built from an epoxy-modified acrylic formula that is specifically designed to meet traffic demands. StreetBond® coatings can limit the softening effects that water has on traditional water-based coatings, and resistant to damage and deterioration when exposed to fuel, engine oil, and deicing agents.

产品参数 Product Parameters

检测项目 Characteristic	检测标准 Test Specification	检测结果 Result
干燥时间(再次喷涂时间间隔) Dry time (To re-coat)	ASTM D5895 23°C; 37% RH	35 min
耐磨性能(干) Taber Wear Abrasion Dry H-10 wheel	ASTM D4060 8 day cure	0.03 g/1000 cycles
耐磨性能(湿) Taber Wear Abrasion Wet H-10 wheel	ASTM D4060 7 days cure	0.68 g/1000 cycles
人工老化实验 QUV Accelerate Weathering Environment	ASTM G-151 ΔE 1,500hrs.	0.76 (Brick)
憎水性 Hydrophobicity Water Absorption	ASTM D471	10.272%
肖氏硬度 Shore Hardness	ASTM D2240	42.3
常温柔性 Mandrel Bend	ASTM D522-93A	1/4" @ 21° C
渗透性 Permeance	ASTM D1653	13.43g/m²/ 24hr/mmHg (52 mils)
挥发性气体含量 VOC	per MSDS	17 g/l
粘接强度(沥青基层) Adhesion to Asphalt	ASTM D4541	> 300 psi (1980 psi)
耐磨(英式摆锤法) Friction	ASTM E303 British Pendulum Tester	Wet=66 Dry=88.3

StreetBond® 150 室外道路专用涂料 StreetBond® 150 Outdoor Road Coating





StreetBond[®] 150是一款性能卓越的水性环氧改性树脂双组分室外道路专用涂料,耐久性可达15年以上,具有抗紫外线,高弹性,耐水及化学腐蚀等优势,广泛应用于各种重载及休闲景观路面。

StreetBond® 150 is a premium epoxy-modified, acrylic, waterborne coating, specifically designed for application on outdoor pavements, with a durability of more than 15 years. It has high UV resistance, superior flexibility, and excellent chemical corrosion resistance, and is widely used in various heavy-duty and leisure landscape pavements.



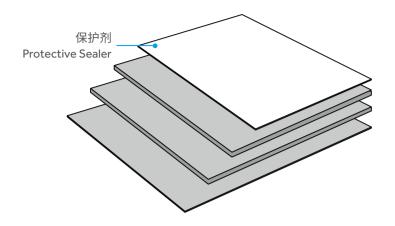
StreetBond®涂料的主要成分为水性环氧改性树脂,专为满足繁重荷载的交通需求而设计。StreetBond®涂层无惧水对传统水性涂料的软化作用,并且即使暴露于汽油、机油、除冰剂等化学物质下,也不会损坏、溶解。

StreetBond® coatings are built from an epoxy-modified acrylic formula that is specifically designed to meet traffic demands. StreetBond® coatings can limit the softening effects that water has on traditional water-based coatings, and resistant to damage and deterioration when exposed to fuel, engine oil, and deicing agents.

产品参数 Product Parameters

检测项目 Characteristic	检测标准 Test Specification	检测结果 Result
干燥时间(再次喷涂时间间隔) Dry time (To re-coat)	ASTM D5895 23°C; 37% RH	35 min
耐磨性能(干) Taber Wear Abrasion Dry H-10 wheel	ASTM D4060 1 day cure	0.33g/1000 cycles
耐磨性能(湿) Taber Wear Abrasion Wet H-10 wheel	ASTM D4060 7 days cure	0.15g/1000 cycles
人工老化实验 QUV Accelerate Weathering Environment	ASTM G - 151 ΔE 1,500hrs.	0.53 (Brick)
憎水性 Hydrophobicity Water Absorption	ASTM D570	7.89%
肖氏硬度 Shore Hardness	ASTM D2240	80.8
常温柔性 Mandrel Bend	ASTM D522 - 93A	1/8" @ 23 C
渗透性 Permeance	ASTM D1653	5.6 perm
挥发性气体含量 VOC	per MSDS	19 g/l
粘接强度(沥青基层) Adhesion to Asphalt	ASTM D4541	>300psi (692psi)
耐磨(英式摆锤法) Friction	ASTM E303 British Pendulum Tester	Wet=77.3 Dry=81.3

StreetBond®保护剂 StreetBond® Protective Sealer





StreetBond®涂层系统表面专用保护剂有效提高整个系统的耐磨性和抗污性,并使其具有持久光泽。长期使用,仍然光亮如新。

StreetBond® protective sealers are used to improve durability and dirt resistance, and provide a lasting charming luster after long-term usage.

StreetBond® 保护剂的产品特点:

- 大幅延长路面使用寿命
- 保持路面持久光洁如新
- 干燥迅速,工期短
- 防滑性能优越
- ■耐油脂和化学腐蚀
- ■低挥发,无异味

Advantages of StreetBond® Protective Sealer:

- Extends the life of asphalt.
- Keeps asphalt looking newer longer.
- Dries quickly and ready for traffic within hours.
- Non-skin / Non Slip surface.
- Oil & chemical resistant.
- Low VOC and no odor.









StreetBond® SR 涂料 可贡献 LEED 分值

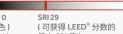
StreetBond® SR Colorants can contribute to LEED® points

SRI(阳光反射指数) 表示材料反射阳光热量的

宝石绿

CL Emerald Green

SRI (Solar Reflective Index) The measure of a material's ability to reflect solar heat



SRI 100 (白色) (White)

骑行绿

Bike Path Green



LEED®是由美国绿色建筑委员会 (USGBC) 开发的绿色建筑评估体系

购车红

Roadster Red

 LEED^{\otimes} is a rating program developed by the United States Green Building Council (USGBC)

StreetPrint 路面压花工艺 StreetPrint Decoration Asphalt Solution



加热

重新加热沥青表面至适当温度。

Heating

Re-heat the asphalt surface to rolling temperature.

模压

将模板放在表面上,然后使用大型 振动平板夯机将其"压"入加热的 路面。

Stamping

Place the template on the surface and "hammer" into the heated pavement using a large vibratory plate compactor.





喷涂

将StreetBond®涂料进行多层喷涂及 着色。

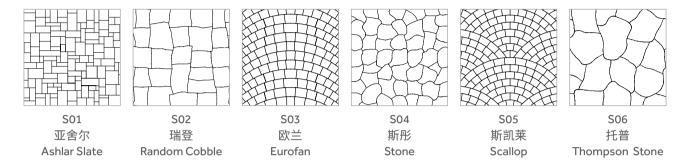
Spraying

StreetBond® Surfacing System applied in multiple layers, fortifying and coloring the surface.

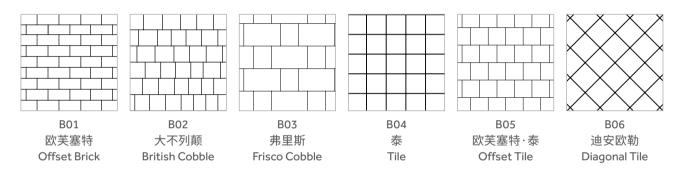
我们有丰富的路面模压造型可以选择 Standard Templates

仿石造型

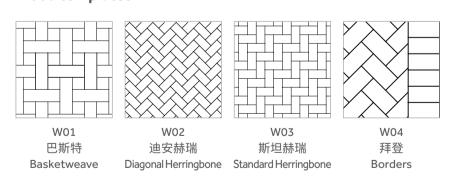
Stone templates



仿砖造型 Brick templates



仿木造型 Wood templates



我们还可以根据客户的具体要求定制。 More styles can be customized.

项目案例

Project Cases

公园 Park













项目案例 Project Cases

行车道、人行步道 Driveway, Sidewalk













广场、庭院 Square, Courtyard









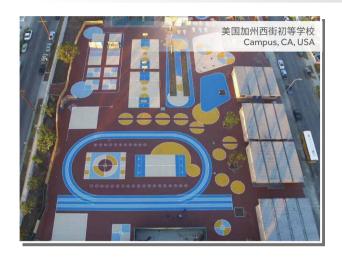




项目案例

Project Cases

学校 School





停车场 Car Park









休闲及体育馆 Leisure Venue And Stadium









工业园区 Industrial Park







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我们在研究、开发和培训方面的投资是首屈一指的。

推动创新是我们一贯的经营方式。

面对全球环境挑战,我们正致力于寻找全新的、意义重大的解决方案。

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