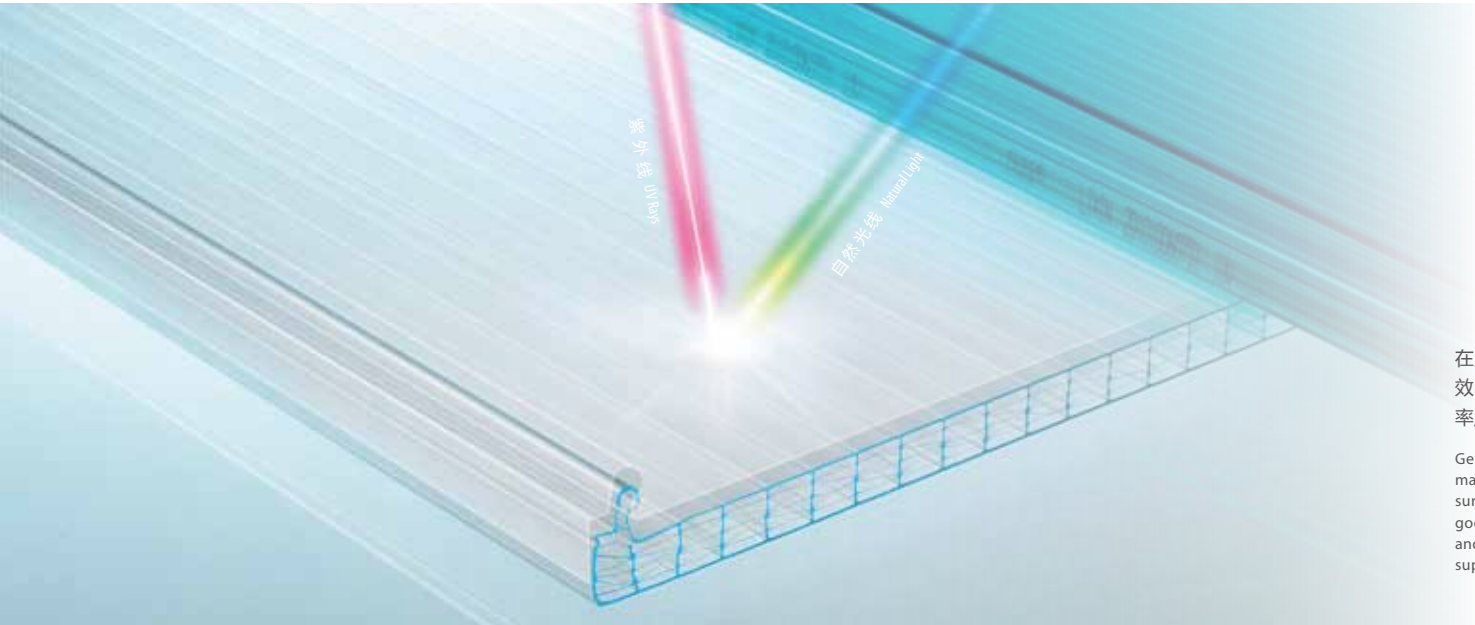




出色的紫外线防护!
Excellent UV Protection!

正兴采用独有的防紫外线表面处理技术,选用最新UV母料,在历新板材的単面或双面均匀共挤高浓度UV层,稳定性好,能有效吸收紫外线辐射,避免由于风化降解所导致的褪色、黄变、透光率/强度损失等情形出现。所有历新板材提供十年质保。

Gensin use unique UV surface treatment technology and choose the latest UV masterbatch. Lixin sheet has a unique proprietary co-extruded UV-protected surface on one or both sides, it can effectively absorbs UV radiation and have good stability, and it can avoid color retention, yellowing and transparency and strength loss caused by weathering degradation. All Lixin sheets are supplied with 10 years warranty.

UV强光手电照射对比
UV layer check under UV flashlight



板材表面没有共挤UV,经照射看不出有明显的特征。
No UV layer, no silver line under UV flashlight.



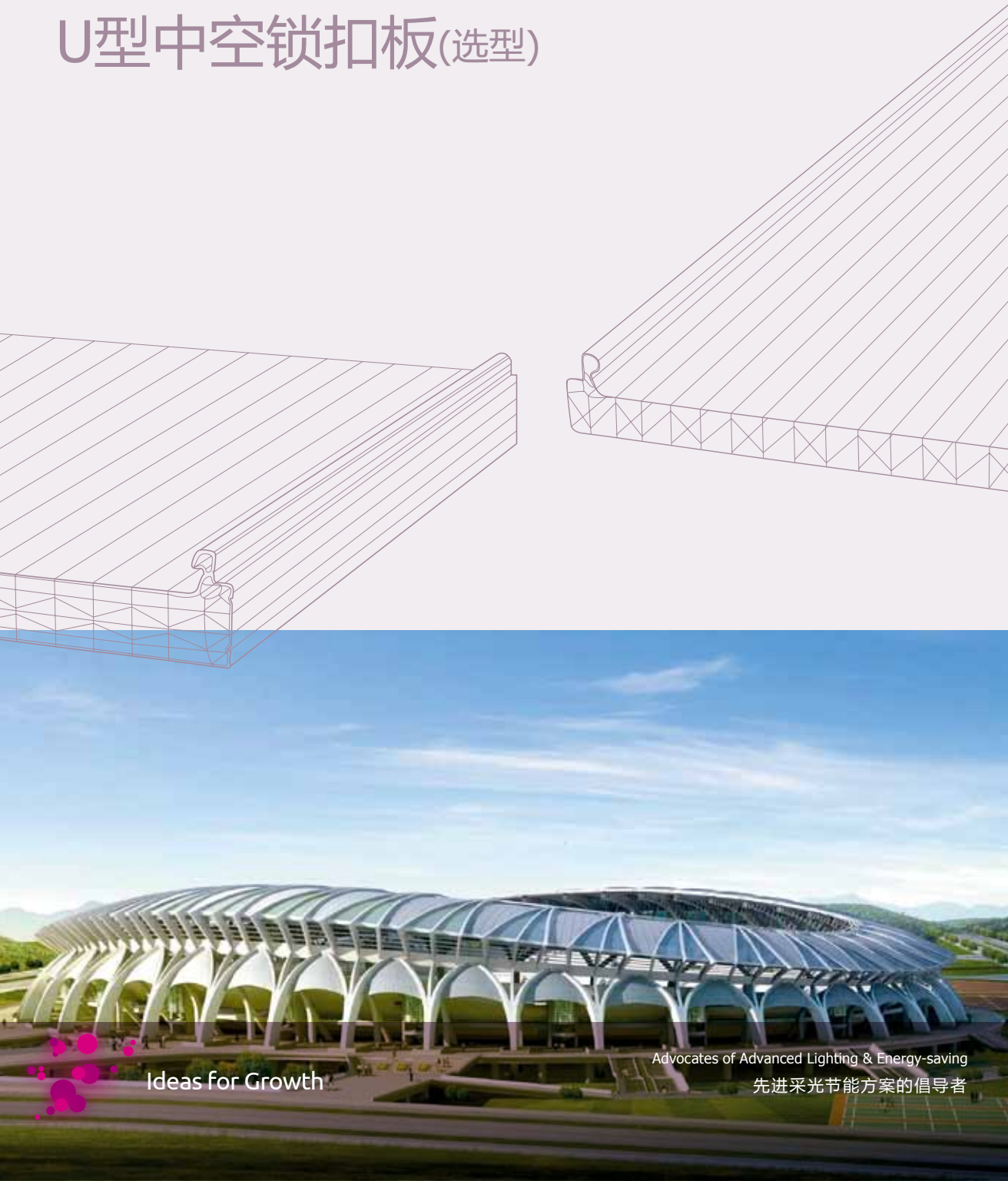
采用强光手电对板材横截面进行照射,板材的UV层会变得明亮许多,仿佛板材表面镶了一道银边,且能清晰的看出UV分布是否均匀。
The UV layer becomes brighter than other part under UV flashlight. You can even see how thick and flat the UV was coextruded through the silver line.

板材表面是否共挤有UV层,一般需要专用UV仪进行检测,普通用户在自然光下肉眼很难识别。UV强光手电可以帮助用户解决这个难题。
Usually it's difficult to see whether there is a coextruded UV layer on the sheet under natural light. UV flashlight helps you solve this problem.

Permanent
Excellent Quality
Just Need Time to Prove

Product Selection & Technical
Locking Structure Multi-wall System (LGU series)

U型中空锁扣板(选型)



Ideas for Growth

Advocates of Advanced Lighting & Energy-saving
先进采光节能方案的倡导者

U型锁扣板标准参数 Production Standards & Technical Features

产品名称 Products	产品结构 Structure	规格 Specifications						宽度 Width (mm)
		型号 Grade Name	板材厚度 Thickness (mm)	重量 Weight (kg/m²)	筋距 Rib Distance (mm)	颜色 Color	热导系数 (U值) U-value (W/m²·K)	
4层矩形结构 4-wall R-Structure (LGU4RS)		LGU4RS6T1700	6	1.7	6mm	透明色 Clear	2.63	600mm
		LGU4RS8T1900	8	1.9			2.57	
		LGU4RS10T2300	10	2.3			2.41	
4层蜂窝结构 4-wall H-Structure (LGU4HS)		LGU4HS8T2100	8	2.1	5.5mm		2.45	600mm
		LGU4HS10T2400	10	2.4			2.16	
		LGU4HS12T2600	12	2.6			1.98	
3层W型结构 3-wall W-Structure (LGU3WS)		LGU3WS8T1900	8	1.9	12mm		2.63	700mm
		LGU3WS10T2100	10	2.1			2.57	
		LGU3WS12T2400	12	2.4			2.52	
		LGU3WS16T3200	16	3.2			2.41	
6层菱形结构 6-wall D-Structure (LGU6DS)		LGU6DS12T2800	12	2.8	10mm		1.81	800mm
		LGU6DS16T3200	16	3.2			1.62	
		LGU6DS18T3500	18	3.5			1.53	
7层菱形结构 7-wall D-Structure (LGU7DS)		LGU7DS16T3500	16	3.5	15mm		1.60	1040mm
		LGU7DS20T4000	20	4.0			1.46	
		LGU7DS25T4500	25	4.5			1.39	
8层矩形结构 8-wall R-Structure (LGU8RS)		LGU8RS16T3400	16	3.4	6mm		1.56	
		LGU8RS20T4100	20	4.1			1.51	
		LGU8RS25T4600	25	4.6			1.45	
		LGU8RS30T5200	30	5.2			1.38	

可选附加功能 Options

以下附加功能有的可单独,有的可组合实现。附加功能的不同也可能导致产品成本的变化。欲知更多技术或商务信息,敬请致电正兴客服热线400-666-1197,我方人员将竭诚为您服务。
You can choose one or more options above to fulfill your application. Different options may come with different cost. For more information, please feel free to contact us.



Light Diffuse
光扩散

针对不同的透光率和雾度要求,光扩散板能提供多种规格和参数的产品。比如,有些应用对光扩散的要求不高,仅需柔和均匀光线轮廓,有些应用对光扩散的要求很高,以避免眩光直射。历新光扩散板给到设计师更多的选择性和灵活性,更好的满足各种特定需求。
Diffusive Sheet offers many light diffusion levels to help achieve the desired lighting qualities. Some designs, for example, may want a low level of diffusion to soften the edges of emitted light. Others may need more light diffusion to reduce direct glare. Having these diffusion options allows designers the ability to achieve the lighting qualities they desire for a specific future.



Double-color
双色

设计师在考虑设计建筑物时,对建筑的外观和内部的色调氛围可能有不一样的考虑。历新双色板针对该情况进行研发,在一般产品上实现上下分面的不同颜色效果,完美实现了设计师和用户的理念,兼具美观和实用的特性。
Lixin Double-color Sheet can help realize architecture designers' idea by having one color on the outer side and the other color on the inner side. Its abundant color options could well satisfy your desire of beauty.



Anti-Fog
防雾滴

新一代历新-防雾滴板采用原装进口的高基包重纳有机硅防雾滴材料,这种永久防雾滴材料能增加水汽在板材表面的张力,它的典型水滴接触角可低至90度。蒸汽和膜形成的水滴会快速顺着板材内腔斜坡向下分流,适用于不允许滴露现象的采光顶棚,特别是游泳池、农业温室及植物生态园。

New generation Lixin antifog sheet applies hydrophilic coating technology, its inner side can increase the surface tension of water on sheet surface and prevent the condensation of water. It has been widely used in greenhouse and plant ecological garden to effectively protect the crops and flowers from the damage of condensation water.



Matt UV
亚光UV

-表面哑光技术采用原装进口哑光材料对板材表面原料改性,它能够有效阻隔紫外线对板材的伤害,还能使板材表面具有柔和的光学效果,对外有效减少光反射,对内杜绝眩光的产生,减少光污染。多种色系能符合设计师的不同建筑创意需求。

matt-uv sheet using imported resin modify technology, it can effectively block the sheet damage caused by UV radiation. The matt UV coextruded on the surface of sheet will not only protect the sheet from aging, but also prevent glaring effect. Matt-UV can be customized to different color as you like.



Ideas for Growth

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U型中空锁扣板(选型)
Product Selection & Technical
Locking Structure Multi-wall System (LGU series)

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Cat:2015. LGU

红外光控技术（太阳能隔热）

Solar control technology (solar thermal insulation)

红外光控系列板材采用特殊的原料改性技术（金属反射、珠光反射、红外吸收），使得板材基材具有远红外屏蔽功能，它能有效阻挡或吸收太阳光谱中远红外热能，明显降低用于建筑的温控及照明成本，营造更为舒适的室内环境。

solar-control sheet applies resin-modified technology (three different solar smart types). It can effectively block the infrared heat while let in the visible light, significantly reducing the building energy cost and creating more comfortable indoor environment.



珠光反射：PRL系列



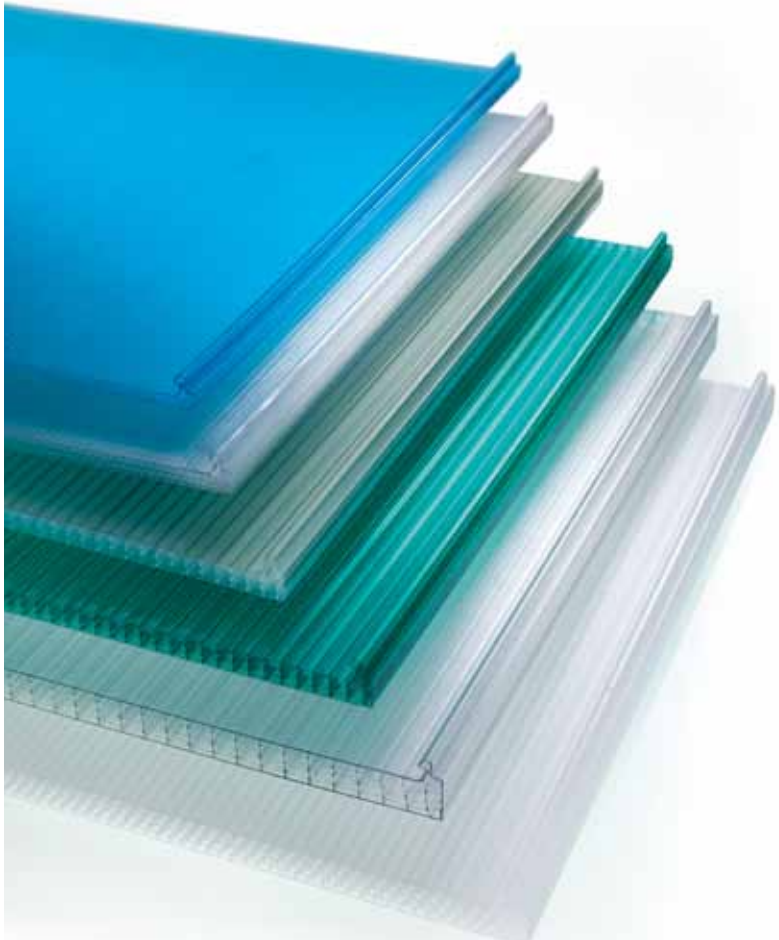
金属反射：MET系列



红外隔绝：IR系列

U型锁扣板透光率参考 Transparency Standards & Features

板材结构 Structure	厚度 (mm)	常规颜色 Standard Color						双色 Double Color		太阳能控制 Solar Control					
		透明 Clear	茶色 Bronze	标准乳白 White Opal	光扩散 乳白 White Diffuse	绿色 Green	蓝色 Blue	茶色 / 乳白 Bronze/ Opal	太阳能控制 / 乳白 Solar Control/ Opal	金属反射 Metallic Reflection	珠光反射 Pearl Reflection	红外吸收 Infrared Absorption			
4层矩形结构 4-wall R-Structure	6	73%	30%	27%						40%	40%	30%	30%	45%	45%
	8	72%	30%	26%						40%	40%	30%	30%	45%	45%
	10	70%	30%	25%						40%	40%	30%	30%	45%	45%
4层蜂窝结构 4-wall H-Structure	8	62%	30%	26%						35%	35%	35%	35%	45%	45%
	10	60%	30%	25%						35%	35%	35%	35%	45%	45%
	12	58%	30%	24%						35%	35%	35%	35%	45%	45%
3层W型结构 3-wall W-Structure	8	74%	35%	24%	30%-48%	35%	30%	10%	10%	30%	30%	30%	30%	55%	55%
	10	72%	35%	23%	30%-48%	35%	30%	10%	10%	30%	30%	30%	30%	55%	55%
	12	71%	35%	22%	30%-48%	35%	30%	10%	10%	30%	30%	30%	30%	55%	55%
	16	70%	35%	21%	30%-48%	35%	30%	10%	10%	30%	30%	30%	30%	50%	50%
6层菱形结构 6-wall D-Structure	12	60%	30%	22%	20%-35%			10%	10%	40%	40%	30%	30%	45%	45%
	16	59%	30%	21%	20%-35%			10%	10%	40%	40%	30%	30%	45%	45%
	18	58%	30%	20%	20%-35%			10%	10%	40%	40%	30%	30%	45%	45%
7层菱形结构 7-wall D-Structure	16	51%	25%	20%	20%-35%			10%	10%	25%	25%	20%	20%	40%	40%
	20	50%	25%	20%	20%-35%			10%	10%	25%	25%	20%	20%	40%	40%
	25	49%	25%	19%	20%-35%			10%	10%	25%	25%	20%	20%	40%	40%
8层矩形结构 8-wall R-Structure	16	50%	20%	20%	20%-35%					20%	20%	20%	15%	30%	30%
	20	49%	20%	19%	20%-35%					20%	20%	20%	15%	30%	30%
	25	48%	20%	18%	20%-35%					20%	20%	20%	15%	30%	30%
	30	46%	20%	17%	20%-35%					20%	20%	20%	15%	30%	30%



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Locking Structure Multi-wall System (LGU series)

U型中空锁扣板

U型锁扣板整个系统采用采用了可自由滑移的固定件，从根本上解决了普通聚碳酸酯平板在不同使用温度条件下的热胀冷缩问题，直立的肋边设计使整个系统100%杜绝了安装面渗水，创新的U型锁边结构设计，使得板材安装变得更简单快捷，结合更牢固，维护更方便。研发团队可根据客户的要求开发特殊的板材颜色、结构、透光率及不同隔热保温功能的新品满足用户个性化需求。80微米高浓度抗紫外线共挤层确保产品连续使用15年以上。

GU locking design system uses a free slip mountings a fundamental solution to the ordinary polycarbonate sheets at different using temperatures the thermal expansion shrinkage problem, vertical rib edge design makes the whole system to prevent the installation of water leaking, innovative side of the U-lock design, making installation easier and faster, combined with stronger, easier to maintain. GENSIN R & D team can develop specific color, structure, and different light transmission capabilities of the new thermal insulation to meet the needs of individual users.80μm high concentration of UV co-extruded layer to ensure that product more than 15 years of continuous use.



- 墙体 / 窗体 / 屋顶 / 天窗
- 大型商业建筑，节能采光屋顶
- 体育场馆，机场，工业建筑
- 高铁站，地铁入口
- 建筑直立隔断，外墙
- 温室、天蓬
- 人行走道/车库

- Sidewalls / Windows / Roofing / Skylights
- Roofing of shopping mall & ECO building
- Stadium & airport, Industrial building
- Railway station and subway station entrance
- Erection partition, facade
- Green house, House skylights
- Walkways, Carports

安装配件图 Installation Accessories



属性 Property	检测方法 Method	检测方法 Method	单位 Units	数值 Value
密度 Density		D-1505	g/cm³	1.2
热变形温度 Heat deflection temperature	GB/T1634	D-648	°C	135
燃烧性能 Fire Rating	GB/T8624	UL94	级	B1/V2
使用温度 - 长期 Service Temperature - Long term			°C	-50 to ± 100
线性膨胀系数 Coefficient of linear thermal expansion	GB/T1036	D-696	mm/m°C	0.065
拉伸屈服长度 Tensile strength at yield	GB/T1040	D-638	Mpa	62
断裂伸长率 Elongation at break	GB/T1040	D-639	%	>80
落锤冲击 Impact falling dart	GB/T14153A	ISO 6603/1	个	1/10
紫外线透射比 UV Transmission	GB/T2680		%	0

*ASTM 除非另有说明。 ASTM except where noted otherwise.

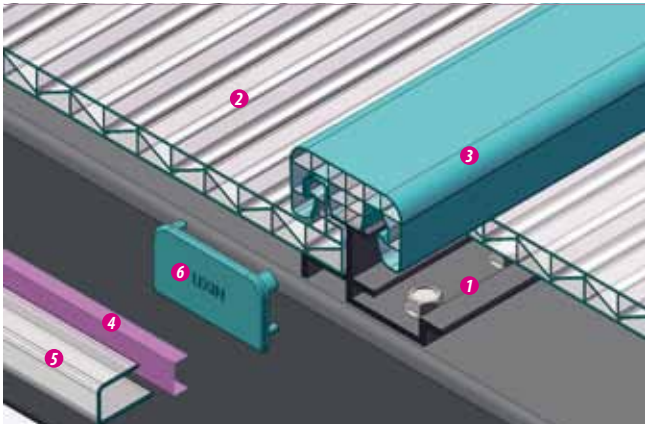


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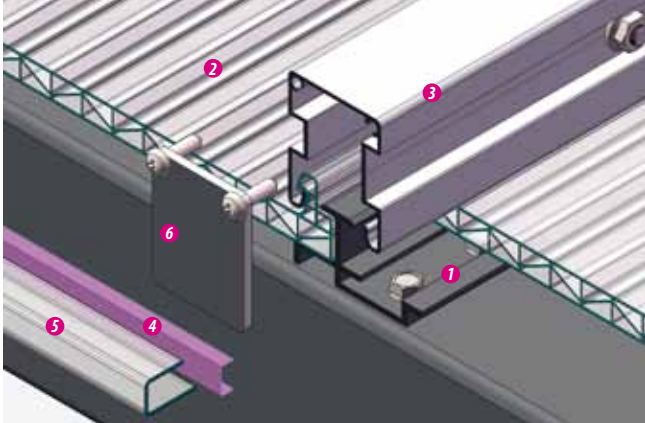
屋面安装方案 1

该方式为最常用方式，主要是通过PC连接件来连接板材。主要优点是安装简便，密封严实以及伸缩自由。基本的安装工序是从支撑龙骨往上先安装对应规格的铝质固定座（**1** AL1008 / AL1010 / AL1012 / AL1016），然后将U型板材（**2**）卡到位，随后用木工锤将PC扣条（**3** PC1001）敲击固定到指定位置，再使用封口胶带（**4**）封住端部，最后同时安装封口条（**5** PC1008 / PC1010 / PC1012 / AL2016）以及PC端盖（**6** PC1002）。



屋面安装方案 2

该方式为加强型安装方式，主要是通过专用铝制连接件来连接板材。主要优点是承压能力更强，适用于跨度相对较大的用途。基本的安装工序是从支撑龙骨往上先安装对应规格的铝质固定座（**1** AL1008 / AL1010 / AL1012 / AL1016），然后将U型板材（**2**）卡到位，随后用木工锤将专用铝制扣条（**3** AL4001）敲击固定到指定位置，最后再使用封口胶带（**4**）封住端部，同时固定封口条（**5** PC1008 / PC1010 / PC1012 / AL2016）以及铝质端盖（**6** AL4002）。



立面安装方法

该方式主要适用于幕墙以及高侧窗，采用专用铝制连接件来连接板材，外观平整美观。基本的安装工序是从支撑龙骨往外先固定专用铝质扣条（**1** AL3001），然后将U型板材（**2**）卡到位，再使用封口胶带（**3**）封住端部，最后固定封口条（**4** PC1008 / PC1010 / PC1012 / AL2016）以及铝质端盖（**5** AL3002）。

