



板谷科技

POLYVALLEY

让生活更自然

值得信赖的合作伙伴
YOUR RELIABLE PARTNER



板谷U型锁扣板
U-SYSTEM PANEL



板谷U型结构板概述

About Polyvalley U Panel

板谷U型结构板安装非常简单快捷，两块板材之间有专门的扣条连接，无需从板材表面使用需螺丝固定。因此很好的保证了整个系统的完整性，不仅视觉上美观大方，更可以达到很好的防漏水效果。板谷U型阳光板表面还可以根据要求做成抗UV紫外线，抗红外隔热，散光隔热等效果。

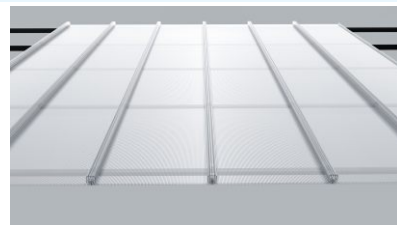
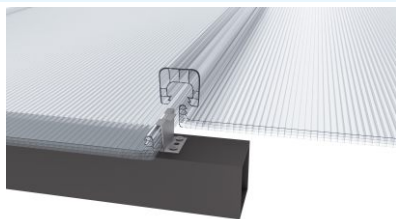
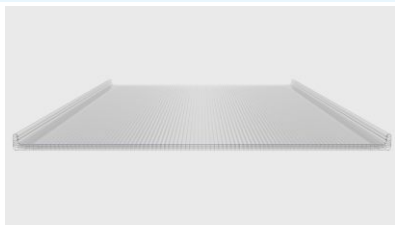
The polyvalley U Panel has its own connection cover for the joint part of two panels. There is no need to draw any hole for screw fasten on the surface. It looks not only beautiful but also can be water proofed. UV coating, IR (Heat insulation) coating can be added on the surface as required. And Polyvalley offers 15 year quality warranty to all their U Panels.

应用:

- 采光屋顶
- 室内墙面装饰
- 屋面
- 隔断
- 生态餐厅
- 斜面屋顶

Applications:

- flooring
- Indoor wall decoration
- Building wall
- Indoor partition
- Gymnasiums skylights
- Eco-Restaurant



锁扣板优点:

- >> 锁扣链接,防漏水设计
- >> 抗紫外线
- >> 超大跨度
- >> 高强度
- >> 透光度极高
- >> 隔热性能好

Advantages:

- >> 100% water proofed
- >> Very long distance
- >> High Light transmission
- >> Resistance to U.V. rays and to hail
- >> High load resistance
- >> Thermowelded isolation

主要性能参数参考Typical Physical Properties

U型结构板 U Panel	厚度 Thickness (mm)	宽度 Width (mm)	K值 K value (W/m ² °C)	最小弯曲半径 Bending radius (m)
	6mm	600	2.65	4.20
	8mm		2.57	4.60
	10mm		2.40	5.00
	12mm		2.22	5.40
	6mm	700	2.65	4.20
	8mm		2.57	4.60
	10mm		2.40	5.00
	12mm		2.22	5.40
	14mm	700	2.10	5.80
	16mm		2.00	6.20
	18mm		1.85	6.60
	20mm		1.80	6.80

板谷科技可根据客户要求定做各种颜色（透明，冰色，乳白，湖蓝，超绿，茶色，宝蓝，烟色等），板材表面或者双面可以做UV抗紫外线处理，IR隔热处理，防炫目处理等等。Polyvalley can make any colors (clear, ICE, opal, blue, green, smoke, bronze ETC.) as customer requirement. The surface or both sides can be done as anti-UV, IR, or anti-glare.

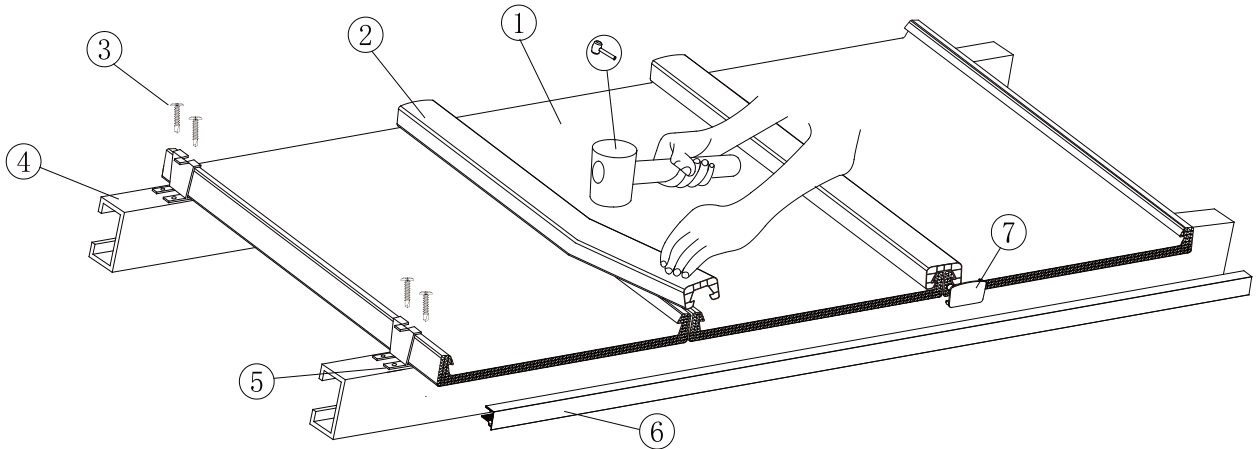
板谷U型安装简介

Polyvalley U Panel installation

板谷PC中空结构板是由板谷自行研发设计并获取专利的产品，集合了防水好，安装简便，优良的采光，隔热，高强度等性能。这种锁扣设计无需在板面上钻孔打螺丝，并预留了热胀冷缩空间，因此可使用超长长度的板材，非常适合超大跨度的建筑。板谷科技为此板材提供了安装所需要的整套配件及技术指导。 Developed by Polyvalley, the U panel has advantages as 100% water proofed, easy-installation, high light transmission, heat insulation, high impact resistance and so on. There is special space between the two panels connection part. So, whole long panels can be used for the large span buildings without worrying about the heat expansion problem. Polyvalley offers the complete set of installing accessories and technique support.

U型锁扣板屋顶安装总示意图

U Panel Roof Installation

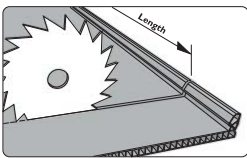


- ① 板材U Panel
- ⑤ 紧固件Stainless plate
- ② 扣条PC cover gasket
- ⑥ 收边条U profile
- ③ 螺丝 Screw
- ⑦ 堵头End cap
- ④ 檩条Purlin

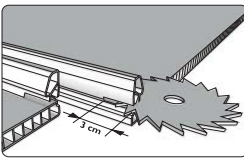
屋顶U型板安装步骤图解

U Panel Roof Installation steps

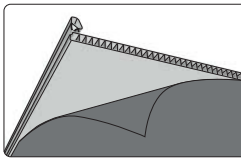
1,切割成具体的尺寸
Cut to Size



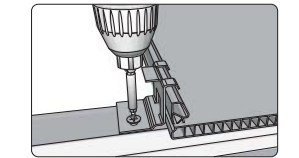
2,割边以便装收边条
Slit for Edge Profile



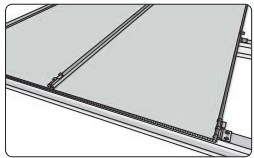
3,撕掉底膜
Remove inner Film



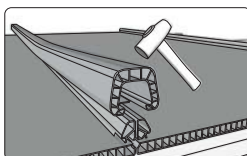
4,安装紧固件及第一块U板
Fix the First Panel with Plate



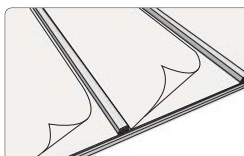
5,安装第二块U型板
Install the Next Panel



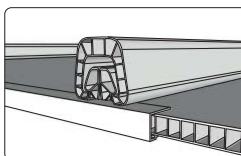
6,安装扣条
Install Cover



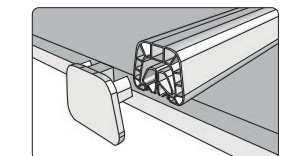
7,撕掉保护膜
Remove outside film



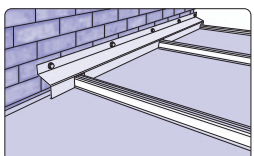
8,安装收边条
Install Edge Profile



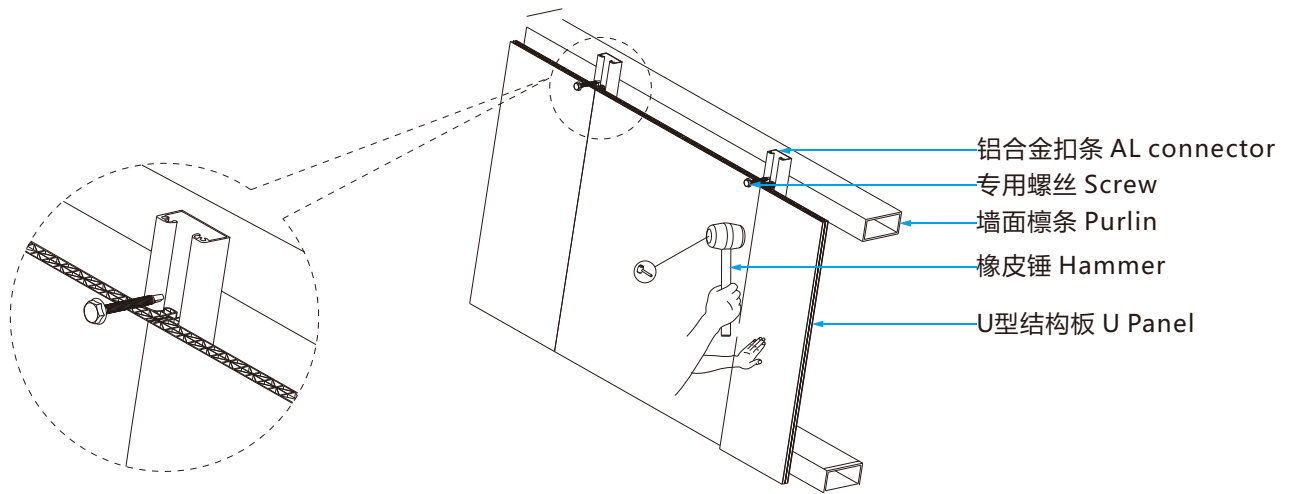
9,安装堵头
Install End Cap



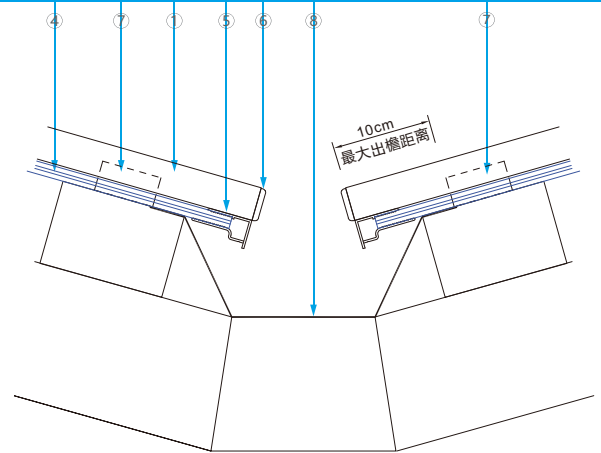
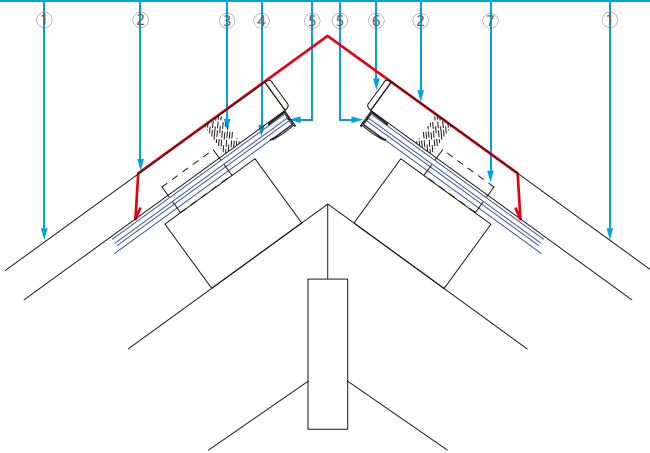
10,完成安装
Finish Installation



板谷U型结构板墙面安装示意图 U Panel wall installation



屋顶U型板屋脊、收尾、墙面、搭接等处理图解 U Panel Installation on ridge, eave, connection etc.



① 扣条 Cover gasket

② 镀锌钢板泛水板 Water-proofed Galvanized Steel sheet

③ 填充泡沫 Compressible Foam

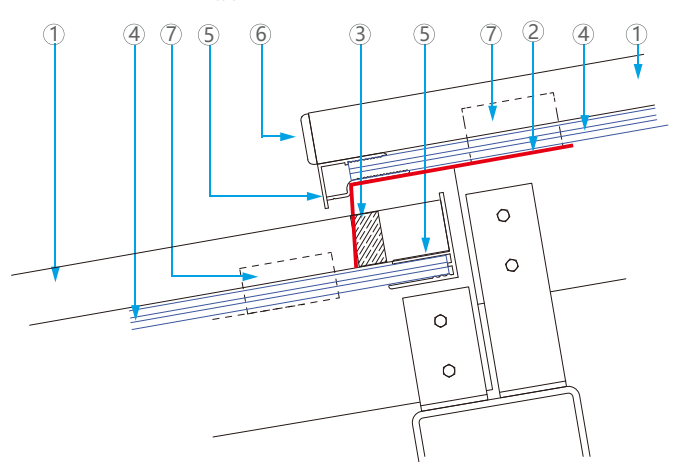
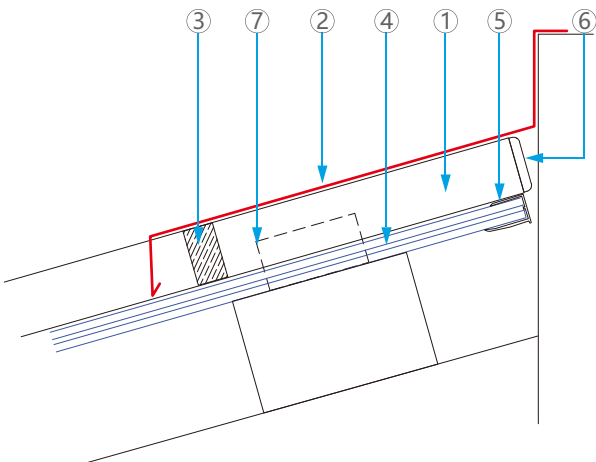
④ U型板 U Panel

⑤ U型收边条 U Profile #301

⑥ 扣条堵头 End Cap #311

⑦ 不锈钢紧固件 Stainless Fastener #304

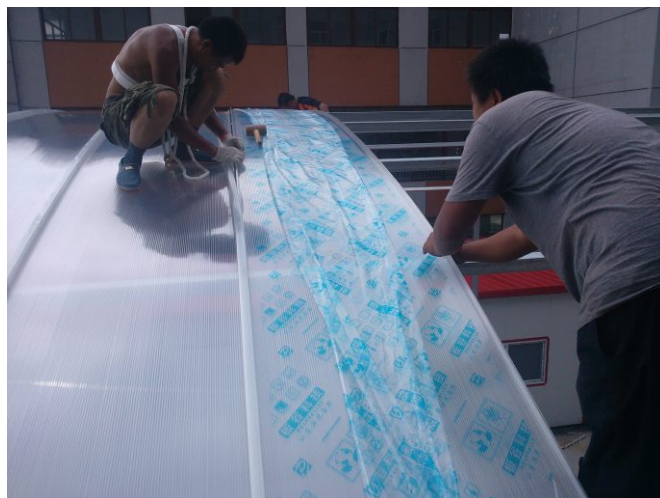
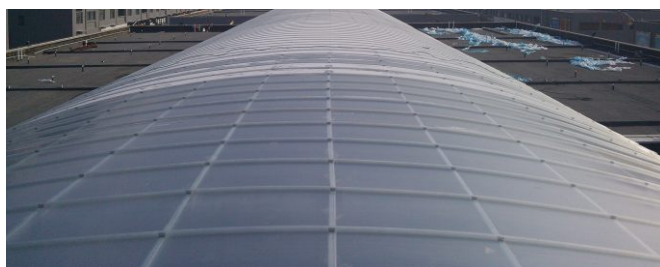
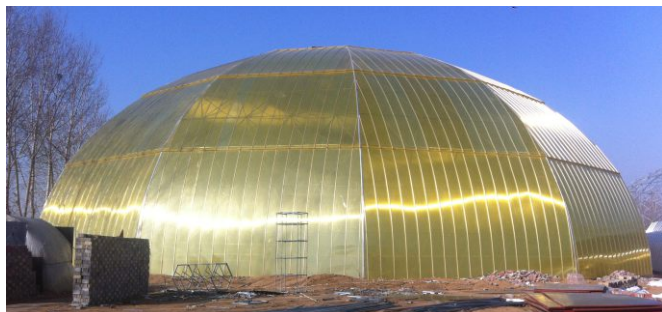
⑧ 水槽 Gutter



U型锁扣板应用案例图片
U PANEL GALLERIES



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安装与存放 Installation and storage

U型锁扣板需水平放置并存放于阴凉处，不得与任何带酸碱性物品接触。板谷科技U型锁扣板两块板材之间由专用扣条链接，请尽量少使用或者不使用硅胶。The PC U panels must be kept horizontally and placed in the shade. It can not be touched with any acid or alkaline material. Polyvalley offers a complete sets of installing accessories for the U panel. Please try to use less silica gel.



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