

保利拜耳PC板在可见光区域具有极高的透光率，同时对紫外线（UV）辐射几乎是不可穿透的。这种高效的UV紫外线屏蔽特性可以防止放置在板材下面的光敏感材料或物品出现褪色情况。所有的美恺-中空板均提供10年以上的品质保证。

Polybayer PC sheet has very high light transmittance for visible lights, preventing the harmful UV radiation at the same time. It protects sensitive materials stocked underneath from deterioration such as fading. All Meky sheets are supplied with 10 years warranty.



- 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

- Roofing of shopping mall & ECO building
- Stadium & airport, Industrial building
- Railway station and subway station entrance
- Erection partition, facade
- Green house, awning
- Walkways, Carports

保利拜耳-中空板透光率参考 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	
2层矩形中空板 2-wall Rectangle- Structure Sheet (LGC2RS)	4	82%	35%	30%	30%-48%	35%	30%			35%	35%	30%	30%
	5	81%	35%	30%	30%-48%	35%	30%			35%	35%	30%	30%
	6	80%	35%	25%	30%-48%	35%	30%			35%	35%	30%	30%
	8	80%	35%	30%	30%-48%	35%	30%			35%	35%	30%	60%
	10	78%	35%	30%	30%-48%	35%	30%			35%	35%	30%	60%
3层矩形中空板 3-wall Rectangle- structure Sheet (LGC3RS)	8	76%	35%	48%	30%-48%	35%	30%			30%	30%	30%	55%
	10	74%	35%	48%	30%-48%	35%	30%			30%	30%	30%	55%
	12	72%	35%	48%	30%-48%	35%	30%			30%	30%	30%	55%
	12	72%	30%	45%	30%-48%	35%	30%			30%	30%	30%	50%
	16	70%	30%	45%	30%-48%	35%	30%			30%	30%	30%	50%
5层矩形中空板 5-wall Rectangle- structure Sheet (LGC5RS)	8	73%	30%							40%	40%	30%	45%
	10	71%	30%							40%	40%	30%	45%
	12	70%	30%							40%	40%	30%	45%
4层蜂窝形中空板 4-wall Honeycomb- structure Sheet (LGC4HS)	8	62%											
	10	60%											
	12	58%											
6层菱形中空板 6-wall Diamond- structure Sheet (LGC6DS)	12	60%	30%					10%			20%	20%	40%
	16	59%	30%					10%			20%	20%	40%
	18	58%	30%					10%			20%	20%	40%
3层X形中空板 3-wall X-structure Sheet (LGC3XS)	12	55%	30%		20%-35%			10%	10%	25%	25%	20%	40%
	16	52%	30%		20%-35%			10%	10%	25%	25%	20%	40%
	18	50%	30%		20%-35%			10%	10%	25%	25%	20%	40%
5层X形中空板 5-wall X-structure Sheet (LGC5XS)	16	61%	25%		20%-35%			10%	5%	25%	25%	20%	40%
	20	59%	25%		20%-35%			10%	5%	25%	25%	20%	40%
	25	58%	25%		20%-35%			10%	5%	25%	25%	20%	40%
	25	48%	20%	15%	20%-35%			10%	5%	20%	20%	20%	30%
8层菱形中空板 8-wall Diamond- structure Sheet (LGC8DS)	32	46%	20%	15%	20%-35%			10%	5%	20%	20%	20%	30%
	35	44%	20%	15%	20%-35%			10%	5%	20%	20%	20%	30%
	40	42%	20%	15%	20%-35%			10%	5%	20%	20%	20%	30%
	40	42%	20%	15%	20%-35%			10%	5%	20%	20%	20%	30%

POLYBAYER® Permanent Excellent Quality Just Need Time to Prove

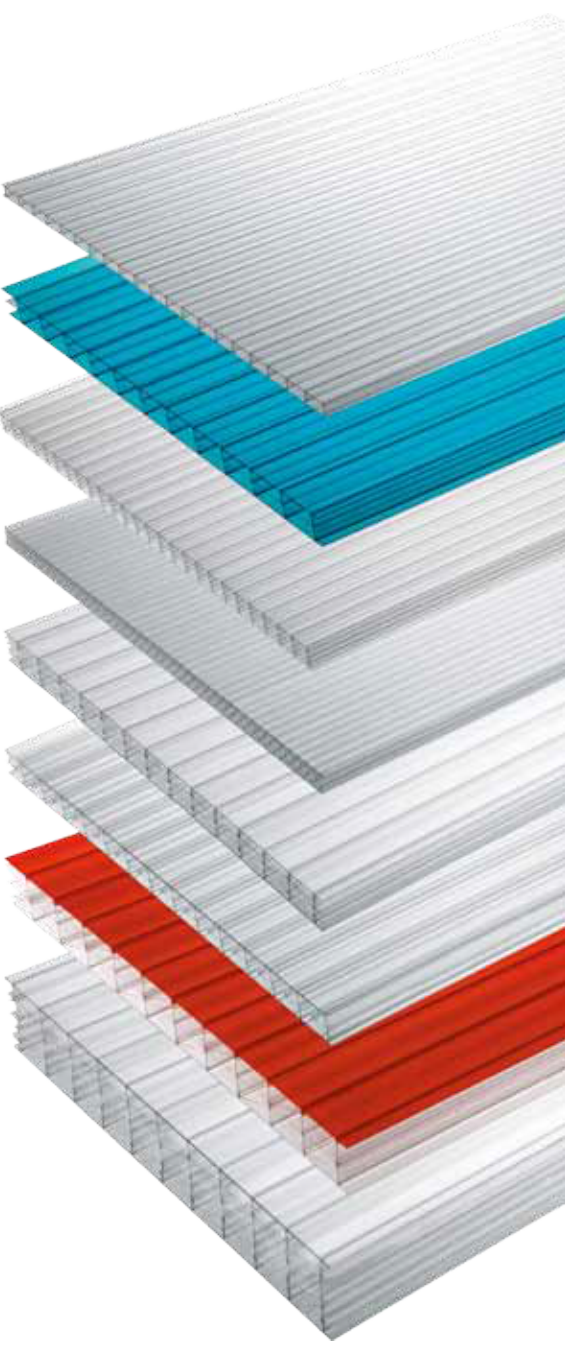
Multi-wall Sheet (LGC series)

保利拜耳® 聚碳酸酯中空板

POLYBAYER具有领先的设计开发能力，设计的多款不同结构中空白板在全球各类造型美观的建筑采光中应用。它的厚度范围从4mm-40mm，根据不同荷载及热能管理要求具有双层、多层及特殊的加强稳定结构，给用户多种应用选择。

除多种结构选择之外，MEKY的技术支持部门还能为用户提供具有特殊透光率、热能管理、表面易清洁及农业防雾滴处理。美恺-具有丰富的产品系列，完备的技术支持，是您建筑采光应用的最佳选择。

Polybayer has leading technology of design and development, has developed a series of flat multi-wall sheets which apply kinds of global architectural lighting with attractive appearance. Its thickness range is 4-40mm. According to different requirement of load and thermal management, there are reinforced and stable structure of double wall, multi-wall and special structure to meet different options of customers. In addition, we also provide special performances, such as special light transmittance, thermal control, and surface treatment of easy to clean and agricultural antifog. Polybayer is your best option with abundant products series and complete technical support in architectural lighting.



保利拜耳-疏水透气抗菌防霉密封胶带 POLYBAYER-hydrophobic breathable antibacterial mildewproof sealing tape

美恺公司推出的 JD 系列防尘透气胶带产品内置防霉杀菌剂，能在最苛刻的环境下提供快速的排水功能，并有效抵抗灰尘及昆虫的侵入，杜绝藻类及真菌在板材内壁的生长，从而确保中空板光学清晰度及美观的持久性。它有效的保护了在世界各地的许多大型公共和私人中空板建筑。

保利拜耳- 防尘疏水胶带先后在大体体育馆、温室、家庭阳光房和游泳池顶盖等众多项目上得以应用，维持和保护了中空板材光学清晰度及美观的内部空间。

Meky has launched JD series anti-dust breathable tapes with mildew fungicides built in. The tapes can provide rapid drainage function in most demanding environments, resist the invasion of dust and insects and eliminate algae and fungal growth in the inner wall sheet, so that it can ensure the optical clarity and durable appearance. It effectively protected hollow sheets used in many large public and private buildings all over the world. Polybayer anti-dust draining tape has been applied in many projects: large stadiums, greenhouse and swimming pool covering,etc. It maintains and protects optical and beautiful interior space of the hollow sheet.



● 内壁受污染的中空板



● 真菌放大图



● 藻类放大图

安装铝型配件 Installation Accessories(AL)



8-10mm铝型材上下盖
AL Upper and Lower Profiles
AL5004ZH



铝型材三件套
AL Triple Profiles
AL5006ZH



铝质端盖
AL Joiner End Cap
ALD1001



铝型材两件套
AL Cover Profiles
AL5007ZH



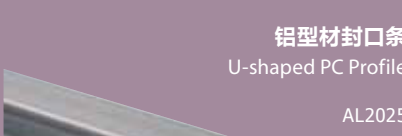
铝质端盖
AL Joiner End Cap
ALD1002



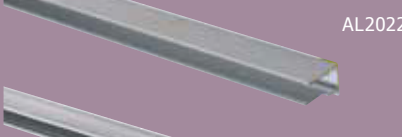
铝型材压条
AL Cover Profile
AL5002



铝型材压条
AL Cover Profile
AL5001



铝型材封口条
U-shaped PC Profile
AL2025



AL2022



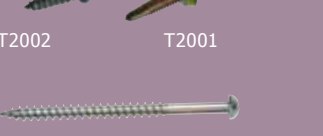
AL2020



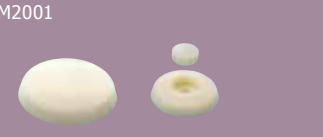
铝型材压条两件套
AL Cover Profiles
AL5008ZH



橡胶条 EPDM
EPDM1001



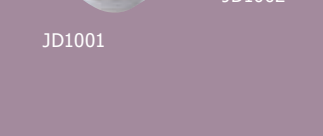
螺钉 Screw
T2002 T2001



大盖帽 Cap
M2001



防尘胶带、透气胶带
Anti-dust Tape/
Breathable Tape



JD1001 JD1002

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/cm ²	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	BI/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	GBT/1040	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.



美恺企业通过 ISO9001:2008 质量体系认证及 ISO14001:2004 环境体系认证。

Meky has passed ISO 9001:2008 quality system certificate and ISO 14001:2004 environmental system certificate.

360°Care Technical Support

美恺360°技术支持 +86 (0)21 68150110

板材安装提示

- 安装时应保证板材肋筋方向向下，这样能够减少内部灰尘积聚，易于导出冷凝水。必须有最小 5% 的安装坡度，肋筋方向与坡度龙骨一致。

- 板材的弧形安装无需热处理，可以冷弯。弯曲半径应大于最小允许的范围，即板材厚度的 175 倍以上。应沿肋筋方向弯曲，错误的弯曲方向会造成不适当的应力和应变，导致提前损坏而使质保失效。

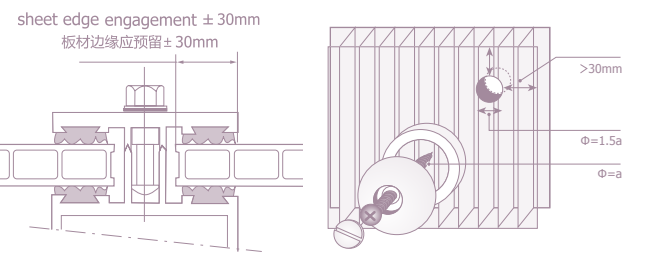
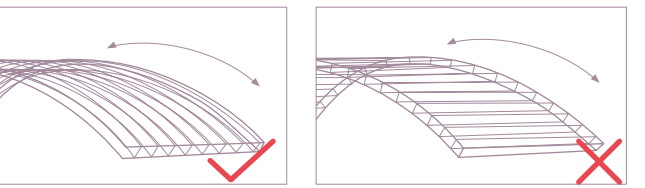
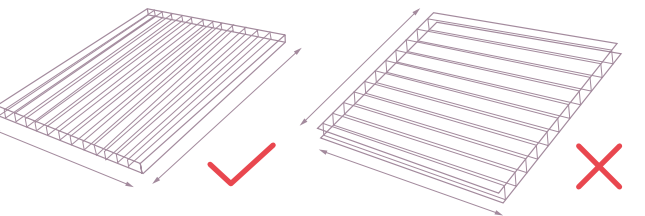
- 板材设计安装时都要考虑它的热膨胀系数（3/1000mm），如需钻孔安装时，钻孔中心与板材边缘至少间隔 30 毫米。板材钻孔直径应为螺丝直径的 1.5 倍，设计安装长度超过 6000mm 时应增加伸缩余量。必要时请采用中性结构胶密封，板材接触任何的酸性、碱性物质都会引起板材提前老化损坏，禁止采用 PVC 胶条及垫圈，它的分解物会损坏板材。

- 板材保护膜的印刷面是共挤 UV 抗紫外线层，请将此面朝阳安装。在工程完成前千万不要撕去保护膜，会因静电吸附灰尘和划伤表面，在完成一周内应撕去。

- 采用稀释的中性清洁剂清洗板材表面，然后用清水冲洗，再用干净的软布擦干。

* 安装中允许用到的型材、垫圈、密封胶和清洗溶剂的化学属性及安装节点问题，请联系美恺技术支持部门。

- When installation, the direction of panels' ribs should be ensured downward in order to reduce the accumulation of internal dust and derive the condensed water easily. And make sure the minimum installing slope is 5%; the direction of ribs should be consistent with the slope of metal frame.
- Curved installation of sheets can be cold bent without thermal processing. The radius should be larger than their minimum permitted range more than 175 times the sheet thickness. The sheet should be bent along the ribs running direction, the incorrect bending direction induces undue stresses and strains, causing premature failure and will void the warranty.
- The coefficient of thermal expansion (3/1000mm) should be considered when designing the sheet's installing, if drilling is needed, the hole centre and the edge of the sheet spaced at least 30mm. The drilling diameter should be 1.5 times longer than the screw diameter.



The designing installing panels that are longer than 6000mm are supposed to extend the telescopic margin. When necessary, please use neutral structural adhesive to seal. Contacting any acidic, alkaline substances may cause advancing aging and damage; and prohibit to use the PVC adhesive strip and gasket because their decomposition may damage sheet.

- The printing surface of protective film is co-extruded UV-resistant layer, please install it upside. Due to electrostatic adsorption of dust and scratches surface, please do not peel off protective films before project completion. Films should be removed in a week after the project completion.
- Gently wash the surface of sheet with a solution of mild soap and clean water, then dry the surface with a soft cloth.

@ The allowing use of profiles, gaskets, sealant, chemical properties of cleaning solvent and installation issues, please contact Meky Technology Department.