

地 址：安徽省宿州市循环经济示范园仁和路
网 址：<http://www.aolowpc.com/>

Add: Renhe road, circular economic development zone, Suzhou city,
Anhui province, China

Web: <http://www.aolowpc.com/>



关于我们

安徽爱乐新材料科技有限公司成立于 2013 年 4 月，厂址位于宿州市循环经济示范园。企业占地 110 亩，厂房办公面积 37000 平方米，注册资金 1000 万元。先后荣获国家级绿色设计产品、安徽省专精特新中小企业、安徽省农业产业化龙头企业、安徽省优秀民营企业、安徽省绿色工厂、皖美品牌示范企业、安徽省商标品牌示范企业、安徽出口品牌等荣誉。目前公司拥有 60 条生产线，年生产木塑复合材料及其制品约 30000 吨，是国内大型木塑生产基地之一。公司已经通过 ISO9001:2015、ISO14001:2015、ISO45001:2018 体系认证，产品通过 CE、SGS、FSC 等权威组织的检测认证，产品性能达到国际标准。

Anhui Aolo New Materials Technology Co., Ltd. was established in April 2013, with its factory located in the Circular Economy Demonstration Park in Suzhou City. The enterprise covers an area of 110 acres, with a factory and office area of 37000 square meters and a registered capital of 10 million yuan. Has successively won honors such as National Green Design Product, Anhui Province Specialized, Refined, Unique and New Small and Medium sized Enterprise, Anhui Province Agricultural Industrialization Leading Enterprise, Anhui Province Excellent Private Enterprise, Anhui Province Green Factory, Anhui American Brand Demonstration Enterprise, Anhui Province Trademark Brand Demonstration Enterprise, Anhui Export Brand, etc. At present, the company has 60 production lines and produces approximately 30000 tons of wood plastic composite materials and their products annually, making it one of the large-scale wood plastic production bases in China. The company has passed the ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 system certifications, and its products have been tested and certified by authoritative organizations such as CE, SGS, and FSC. The product performance meets international standards.



相关性能测试

RELATED PERFORMANCE TEST

WPC (Wood Plastic Composite) is a unique composition to replicate wood without the maintenance and hazards of traditional timber decking. 60% timber fibers + 30% HDPE and 10%

Test Items		REQUIREMENTS	RESULTS	TEST METHODS
Minimum concentrated load, N		≥ 3400	3492	GB/T 24508-20206.5.2
Static bending strength, MPA		≥ 26.0	26.5	GB/T 24508-20206.5.3
Elastic modulus, MPA		≥ 3000	4600	GB/T 24508-20206.5.3
Water absorption,%		≤ 1.0	0.9	GB/T 24508-20206.5.6
Falling hammer impact at low temperature		No crack at the temperature of-10C	Pass	GB/T 24508-20206.5.16
Dimensional change rate after water absorption,%	Length	≤ 0.3	0.5	GB/T 24508-20206.5.7
	Width	≤ 0.4	0.1	
	Thickness	≤ 0.5	0.5	
Anti-slippery value		≥ 35	36	GB/T 24508-20206.5.12
Freeze-thaw Resistance	Surface state	No crack,bubble or hole	Pass	GB/T 24508-20206.5.20
	Retention rate of static Bending strength,%	≥ 80	94	
Surface abrasion resistance, g/100r		≤ 0.15,and the paint film is not worn through	0.100	GB/T 24508-20206.5.11
Colour fastness to light, class		Gray Card ≥ 4	4.2	GB/T 24508-20206.5.14
Heavy metal in substrate, mg/m2	Soluble lead	≤ 10	3.5	GB 18586-20015.4
	Soluble cadmium	≤ 10	Not detected	GB 18586-20015.4
Formaldehyde emission,mg/m3		≤ 0.05	Not detected	GB/T 24508-20206.5.23

ENTERPRISE QUALIFICATION 企业资质

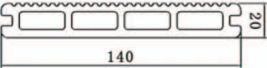
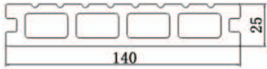
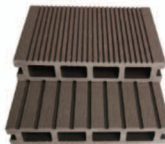
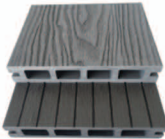


WPC MUSU

WPC木塑 • Outdoor Decking

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	AL-K140-20A			AL-K140-23.5K	
	AL-K140-25L			AL-K140-25M	
	AL-K140-25G			AL-K140-24Y	
	AL-K140-25P			AL-K140-25T	
	AL-K140-25R			AL-K140-30B	

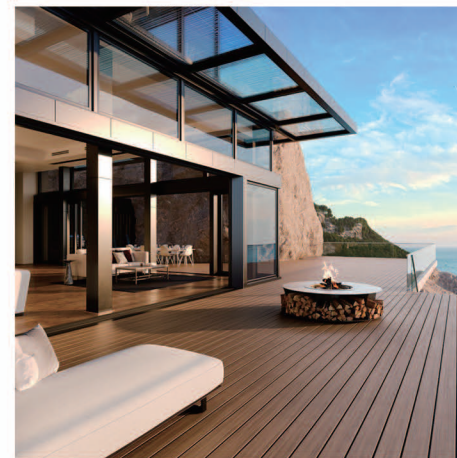


户外地板系列



WPC Decking
CO-EXTRUSION

共挤地板系列



安徽爱乐新材料科技有限公司

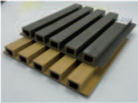
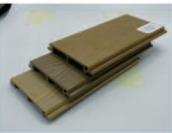
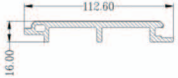
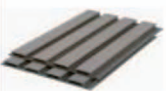
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	AL-GS140-22C	
	AL-GS140-23H	
	AL-GK140-23C	
	AL-GK140-25A	

	AL-GK145-21C	
	AL-GK148-22A	
	AL-GS140-22.5A	
	AL-GS140-23A	

ASA·Decking & Wall panel

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		190*20			112*16
		219*25			140*24
		210*21			140*32
		171*14			156*17
		45*45			234*28



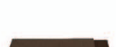
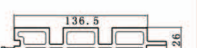
ASA WALL PANEL



WPC·Decorative Wall Cladding

装饰墙板系列

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	AL-GK219-26K			AL-S156-21A			AL-GS156-21C	
	AL-GK219-26Y			AL-K205-20P			AL-GS156-21D	
	AL-GK219-30A			AL-K200-17A			AL-GK169-26A	
	AL-GK245-33A			AL-K218-28A			AL-GS177-13A	

Installation



COLOR CARD OF WPC DECKING TILE

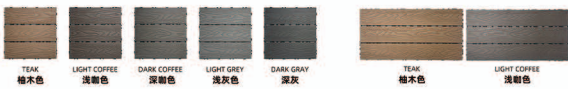
Striped Groove



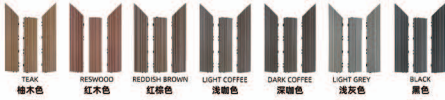
2D Embossed



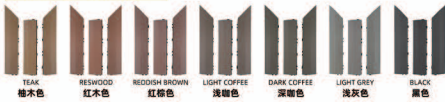
3D Embossed



Striped edge banding



Plain edge banding

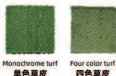


2st Gen.

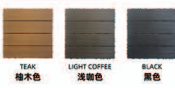
Co-extrusion



TURF



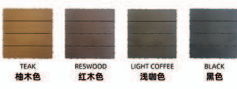
Striped Groove



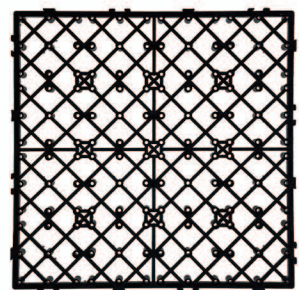
3D Embossed



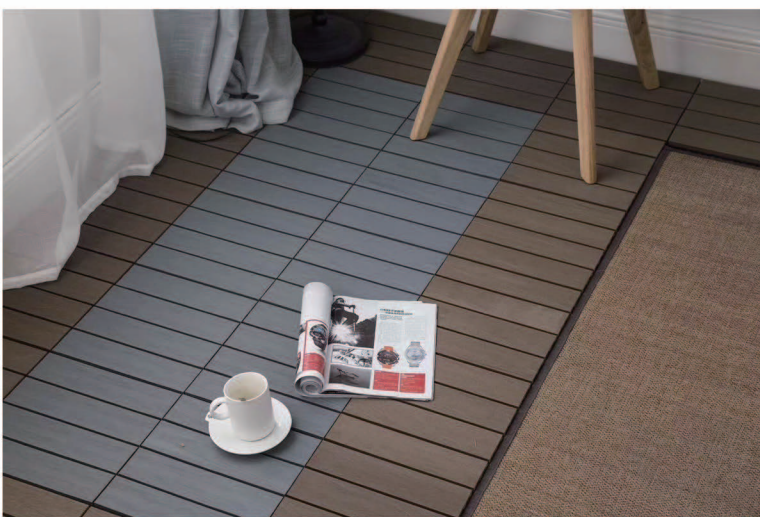
Plane



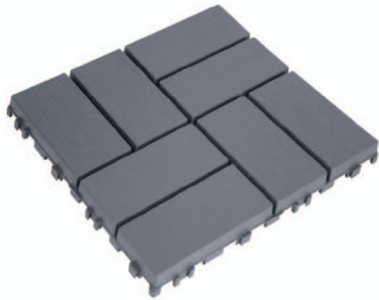
Edge banding



DIY地板系列

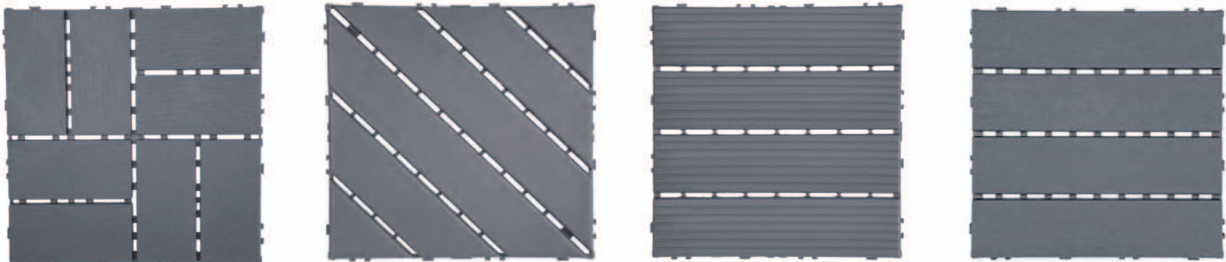


PP PLASTIC DECKING TILES



NAME	PP Plastic Decking Tiles
SIZE	300*300*20mm(L*W*H)

STYLES



COLOR



Coffee

Brown

Chocolate

Gray

Picture	Size: L*W*H(CM)	Packaging(CM)	1x20GP (PCS)	1x40HC (PCS)
	30*30*2	61*31*38	13608	32148
	30*30*2	61*31*38	13608	32148
	30*30*2	61*31*38	13608	32148
	30*30*2	61*31*38	13608	32148

PP PLASTIC
DECKING TILES

FREE SPLICING

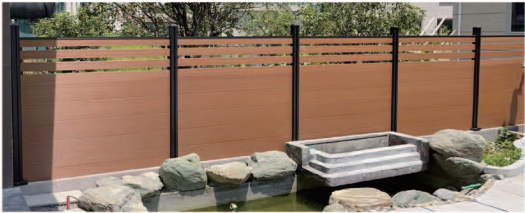
Multiple Splicing Methods



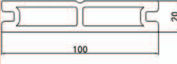
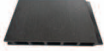
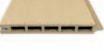
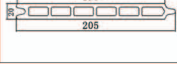
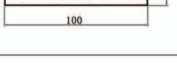
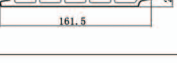
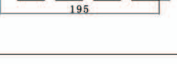
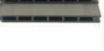
WPC Fencing&Railing

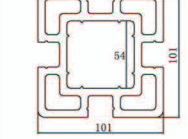
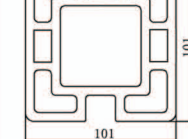
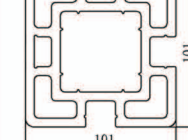
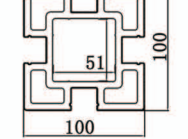
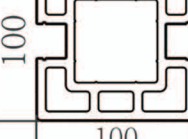
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围栏板系列

	AL-K100-20A	
	AL-K161.5-20A	
	AL-K161.5-20D	
	AL-K195-20C	
	AL-K205-20B	
	AL-GK100-20B	
	AL-GK161.5-20C	
	AL-GK195-20A	
	AL-GK215-20A	

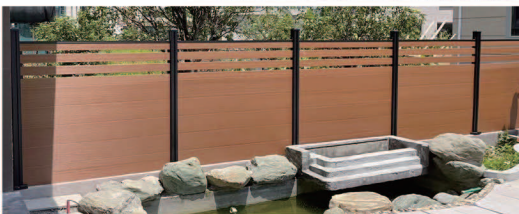
	AL-K101-101A	
	AL-K101-101B	
	AL-K101-101C	
	AL-GK100-100C	
	AL-GK100-100E	

WPC

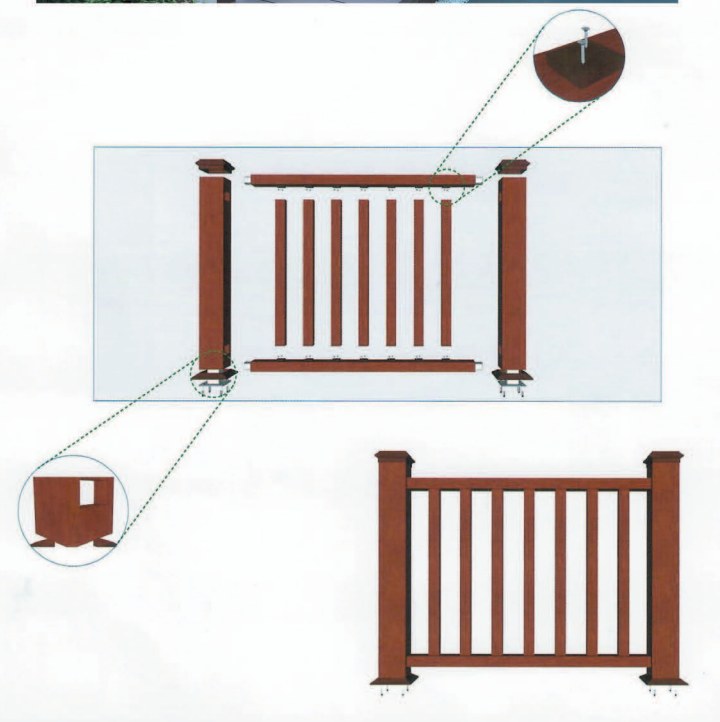
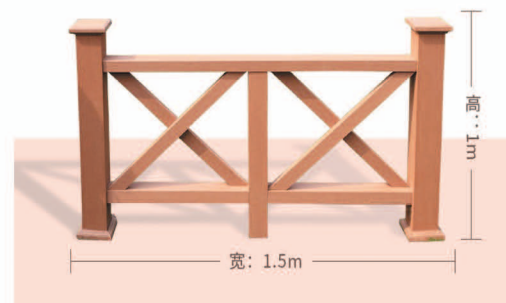
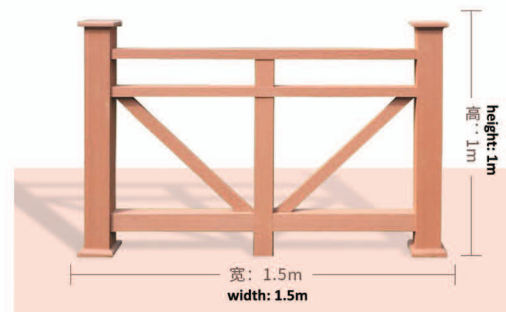
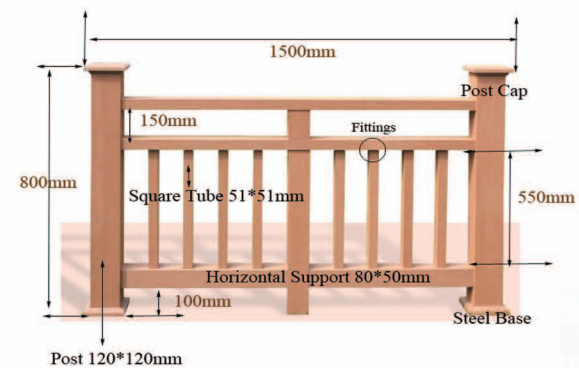
Fencing&Railing

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护栏围栏板系列



装配式房屋系列



WPC木塑·装配式房屋系列

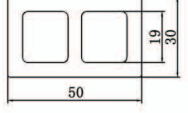
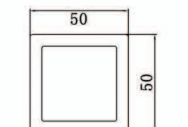
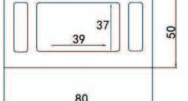
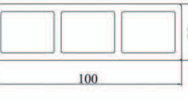
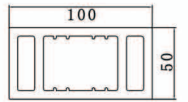
WPC MUSU

WPC MUSU

WPC木塑·Bench and Profiles

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	AL-K50-30B	
	AL-K50-50A	
	AL-K60-40A	
	AL-K80-50A	
	AL-K100-30A	
	AL-K100-50A	



户外景观系列



WPC MUSU

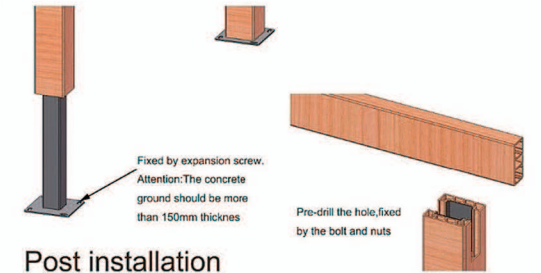
WPC木塑·户外景观系列

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户外景观系列

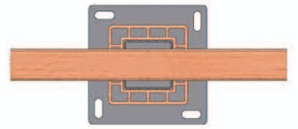


Post installation

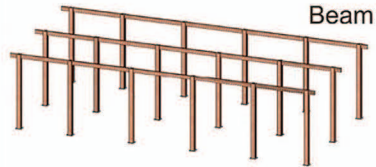
Beam installation



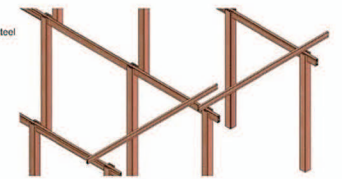
Beam Joints



Beam Fixing



The rafter is fixed by stainless steel bracket



Rafter installation

WPC MUSU

WPC木塑·阳台系列

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颜色

SECOND GENERATION CO EXTRUSION COLOR CARD



CO-EXTRUDED COLORFUL COLOR CARD



FIRST GENERATION COLOR CARD (12 COLORS)



Texture

CO EXTRUSION TREATMENT



FIRST GENERATION SURFACE TREATMENT

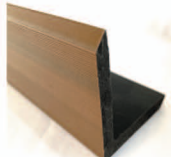
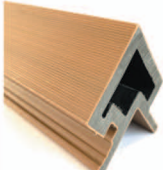
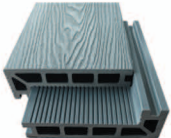


Remind:these for the color we most make for order,also accept custom color.

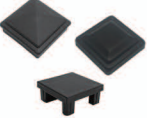
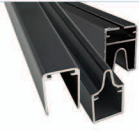
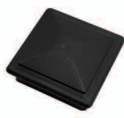
Accessories

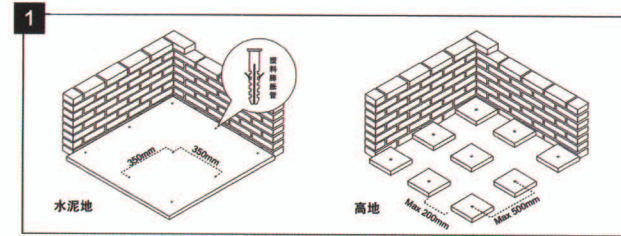
AOLO Accessories for reference, also have other kind of accessories,if need other kinds pls contact us for check!

Joist and side cover:

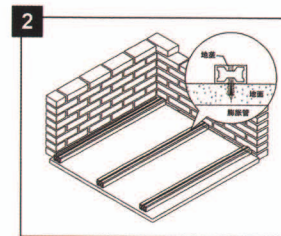
					
AL-S40-20A	AL-S40-25A	AL-S50-50C	AL-K50-30A	AL-S50-50B	AL-S72-21A
					
AL-S41-41A	AL-S50-50D	AL-S50-50A	AL-GK49.5-56A	AL-K49-56A	AL-K146-45B

Other accessories:

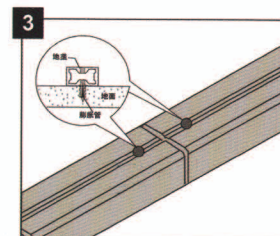
							
Alum post	Post base	Post cap	Fence board Edges	Side cover for Alum post	Post cap for WPC post	Connector for railing	Connector for 50*50
							
Plastic clips	Stainless screws	Stainless screws for metal	L clips	L clips for fence edges	Start clips	Metal clips	Expansion screws for joist



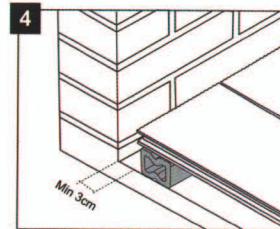
安装垄骨前需确认地面的平整和坚硬以保证垄骨能够贴合、坚固的固定在地面上。在需要铺板的区域用冲击钻打孔，横向和纵向的孔距如图。在打好的孔中预埋塑料膨胀管，膨胀管不能外露。建议使用膨胀管外径为6mm。
Punching holes Φ6 in the installation area with impact drill. Recommended widthways and lengthways distance between two holes is 350mm. Knock the plastic expansion pipe Φ6 into the holes and make sure it is tight enough and will not expose.



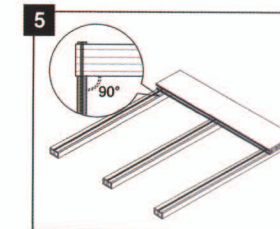
以预埋的膨胀管为中心线，将地垄下料后平稳搁置在中心线上，使用手枪钻引眼打穿垄骨，将螺丝打入相应的膨胀管内。
Take expansion pipes as centre line and lay the joists (cut if necessary) on the line. Drill corresponding holes in the joists and fix the screws into the expansion pipes through the holes.



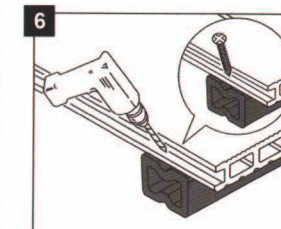
两根垄骨的垂直接缝处，在顶端需打入膨胀螺栓。
Extra fixing of expansion bolts is necessary on both joists near juncture. The holes should be at least 3cm to the end of joist.



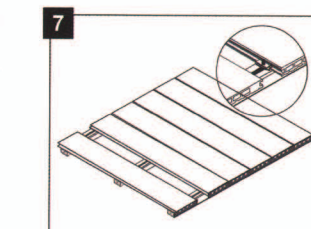
如果地板紧贴墙面安装，垄骨应与墙面保持至少3cm的间隙。
Allowing for the expansion and maintenance, sufficient distance around your terrace and by obstructions such as walls, fences, trees, etc. should be at least 3cm.



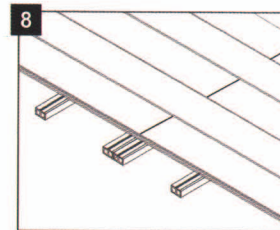
将地板沿着垄骨垂直的方向（地板与垄骨间的夹角为90°）摆放平整。终端地板可以先用螺丝固定在垄骨上以保证其作为其后地板基准的准确度。
Put first decking planks on vertical way of joists, fasten the first plank by screw at outside of decking. The position and direction of first plank should be accurate guaranteed to be the reference for the following plans.



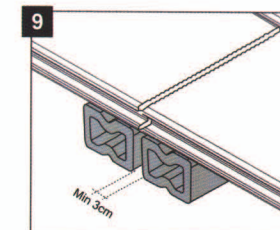
终端的地板可以直接用螺丝固定。
First plank should be fasten directly by screw instead of clips.



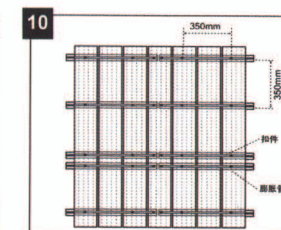
在第一块地板的另一侧安装扣件，并依次安装地板。
Place the clips in the right position and screw it. Insert the second plank into the clips then repeat this process.



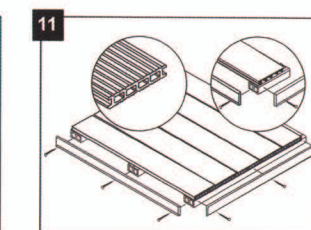
两块地板纵向拼接处需安装垄骨。
Two joists are needed for each plank at the jointure.



为了防止可能发生的因温度变化引起的形变，地垄之间不宜紧密链接，我们建议两根平行放置的地垄间距为3cm。
In case of the deformation caused by temperature change, joists should not be too tightly connected. We recommend the distance between two joists is 3cm.



整体安装平面示意图。
Review of the whole decking system.



最后一块地板的外侧使用 and 第一块地板相同的方式安装。（参见图6）
根据需要安装塑木封板。
Fasten the external sides of the last decking the same way as first one. (as showed in pic 6) Install end covers and decoration cover if necessary.