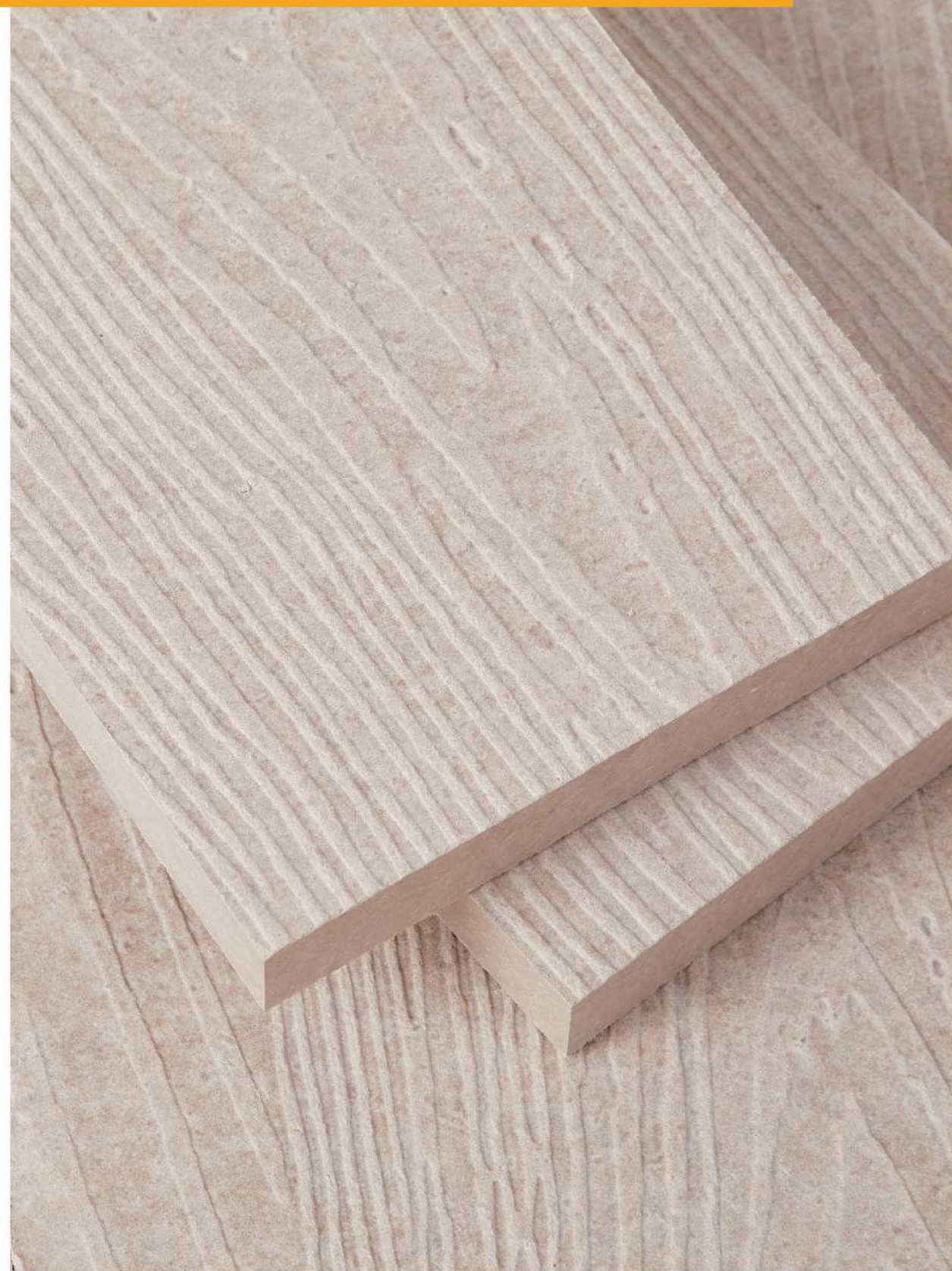


NEW ELEMENT



Tel: +86(0)757 8685 0609
Fax: +86(0)757 8685 0606
E-mail: commerce@newelement.com.cn
Web: www.gdnewelement.com.cn
Add: No 48 of Baiye Avenue, Xiqiao Technological
& Industrial Park, Nanhai District, Foshan City,
Guangdong P.R. China

DECKING PLANK



Preface

In modern landscape design , the plank road has become an irreplaceable medium to add interest and tonality to the site . It can not only beautify the vision of the scenic spot and protect the ecological environment , but also bring people an immersive tour experience . To create a beautiful , economical and practical garden plank road, high quality plank road material selection is the critical.



Why choose Decking Plank

WPC:

Under the change of the external environment temperature, the surface layer and the inside of WPC are heated unevenly, and they are prone to expansion, contraction, and deformation. The result of long-term action will shorten its life, and there are defects such as serious fading, brittleness, and easy cracking.



Anticorrosive wood material



- 1.Hazardous to the environment
Anticorrosive wood mainly through the addition of CCA , a wood preservative which is a combination of a variety of elements that are harmful to human health. It also brings risks to the environment . There is no effective method to deal with this kind of wood correctly in the country.
- 2.Discoloration
Although anticorrosive wood has a series of advantages, but this kind of wood will be discolored and blackened during use, which seriously affects the aesthetics of the wood.

Comparison of the properties of three plank road materials used in ecological engineering

Item	Fiber CementBoard	AnticorrosiveWood	WPC /BambooPlastic Panel
Main Ingredient	Silicate, reinforced fiber	Wood, preservatives	Wood or bamboo fiber, resin
Environmental Friendly	No asbestos, no formaldehyde or other volatile harmful substances	Toxic preservatives erode a large amount of wood resources	Pollution of toxic gas during processing, toxic substances generate during burning
Combustibility	Non-combustibility Class A	Combustible	Grade B high temperature softening
Weather Resistance	Good weather resistance	Dry shrinkage, wet swelling, poor weather resistance	Sunlight is prone to aging and serious deformation. Poor weather resistance
Moisture and Mothproof	Good	General	Good
High Wear Resistance	Good	Bad	Fair
Service Life	> 10 years	≤5 years	≤5 years
Cost Performance	High	Bad	Poor

Based on the advantages and disadvantages of the plank board at home and abroad, it is easy to find that : WPC is poor in fire and weather resistance ;the traditional anticorrosion wood board is flammable , easy to crack and continuous maintenance, the online influencing glass decking has high cost and potentialsafety hazards. What kind of board is most suitable for landscape plank design ? With this research and development purpose, Decking Plank came into being.



Anticorrosive wood and WPC road



New Element Decking Plank



◆ PRODUCT INTRODUCTION

Decking Plank is an inorganic board with natural wood grain on the surface, which is synthesized by advanced production technology with Portland cement, reinforcing fibers, and various mineral fillers as raw materials. Decking Plank is not only suitable for the occasions in tourist attractions and architectural communities, but also suitable for small buildings attached to the garden landscape, art buildings in parks and private gardens, and exterior enclosure of buildings.



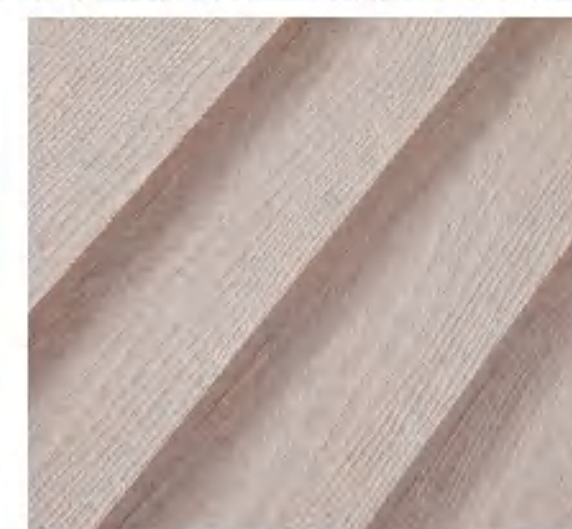
PLAIN



PINK



CHOCOLATE



PRODUCT FEATURES

- Inorganic board, extremely long effective service life
- Good weather resistance, it has excellent impact resistance, which can be safely used outdoor
- It is anti-mildew, anti-bacterial, anti-corrosion , anti-moth , and good durability . The service life of Decking Plank system can reach more than 10 years.
- Easy to process and install.
- The natural wood grain is outstanding, and the whole body or the surface is processed into various imitation wood colors,
- Completely non-combustible material. Meet GB 8624 non-combustibility Class A
- Excellent cost performance. For general plank road systems, the total cost of Decking Plank system is lower than that of anti-corrosion wood.

Thickness (mm)		Width (mm)		Length (mm)
24	22	200	300	3000

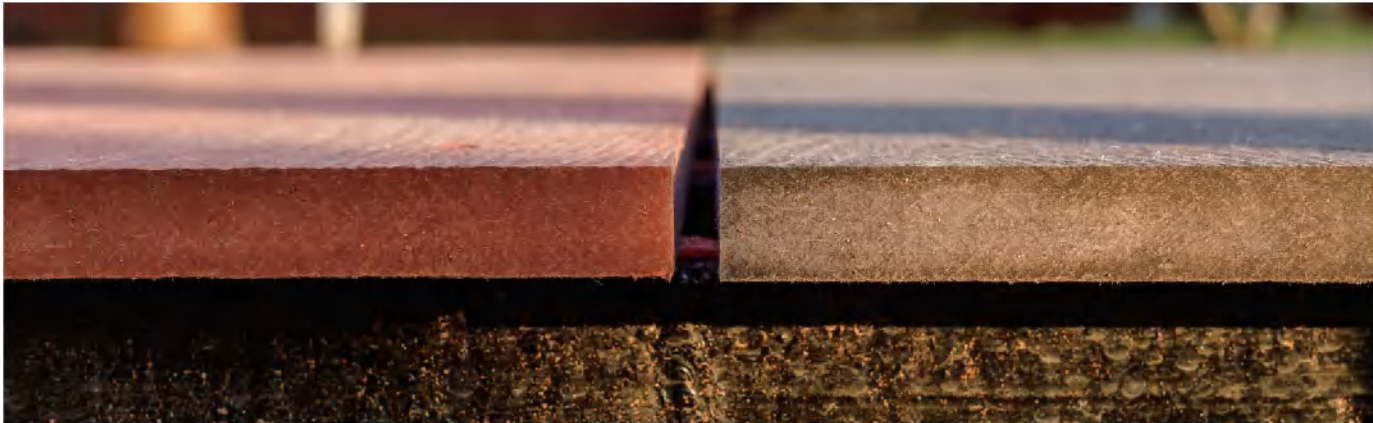
TECHNICAL INDICATORS OF DECKING PLANK		
Item	Unit	Index
Density	g/cm³	≥1.4
Anti-skid Value	—	≥35
Water Absorption	%	≤28
Saturated Bending Strength	MPa	≥13
Abrasion Resistance	g/100r	≤0.15
Impact Resistance	K J/m³	≥3.5
Combustibility	Non-combustibility Class A	
Radioactivity	Meet the requirements	
Asbestos Content	Asbestos free	
Concentrated Load	≥500kg	
Uniform Load	≥800kg/m²	
Other Properties	Meet the requirements of J C / T412.1	

Environmental protection

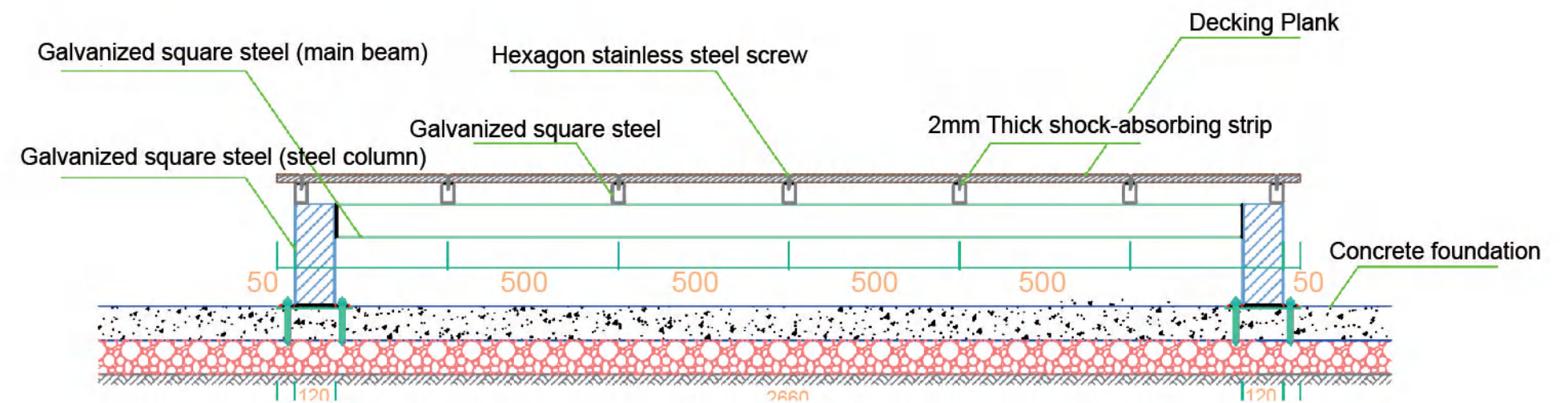
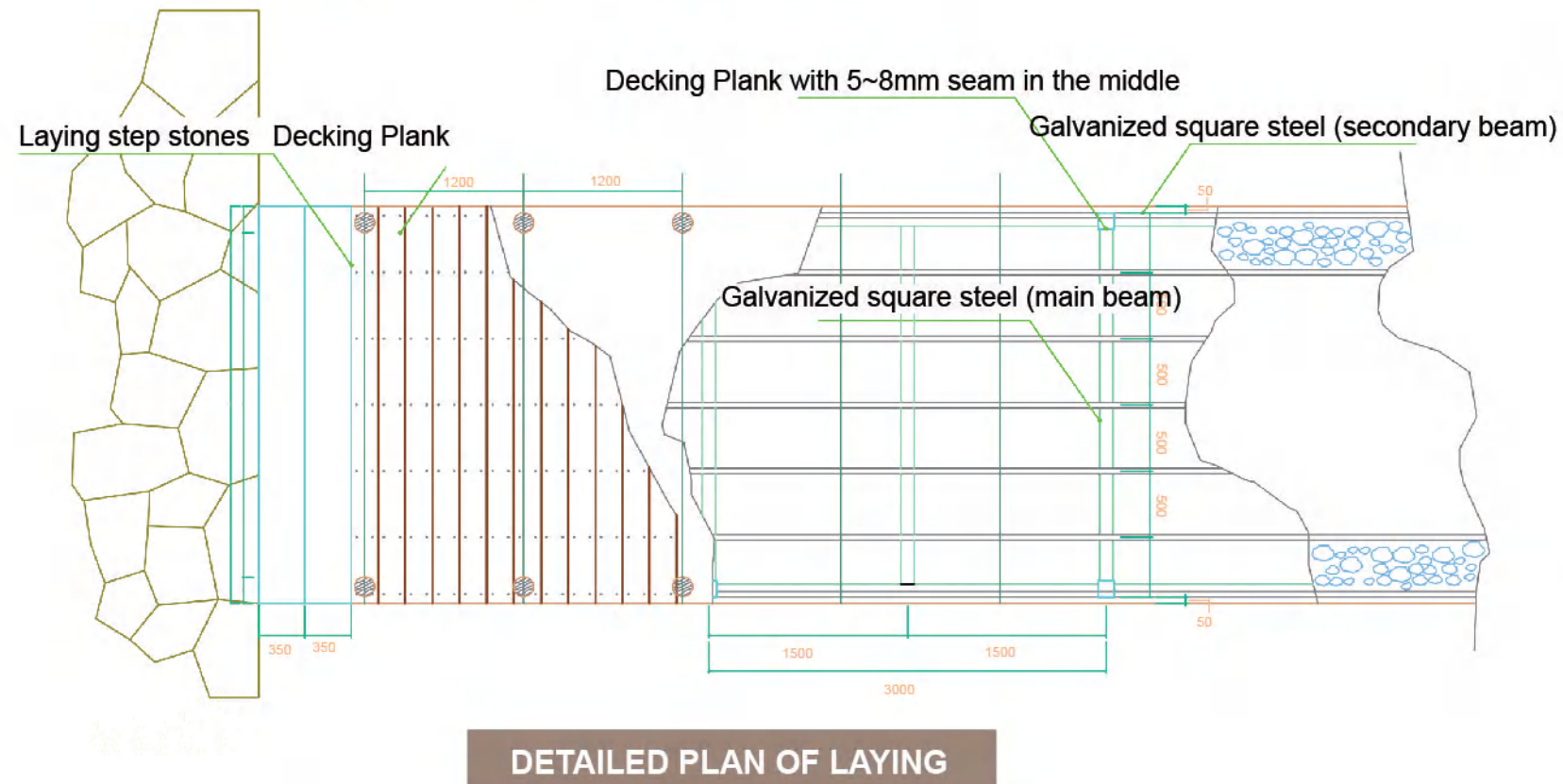
Non-combustibility: Class A non-combustibility, no smoke and no toxic gas generated during combustion

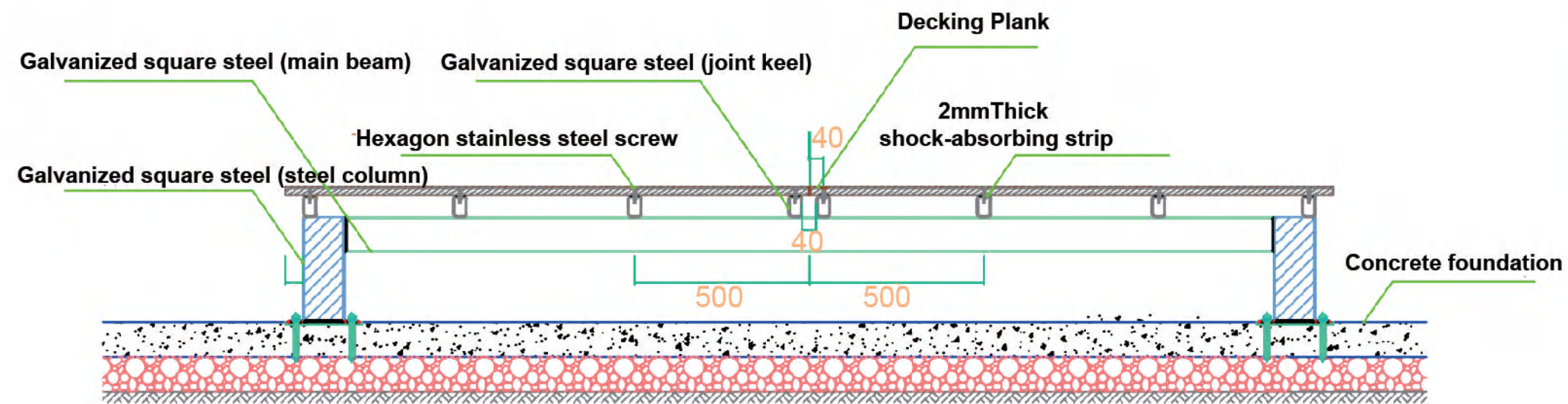
Radioactivity: within a safe range, harmless to organisms

No asbestos: no asbestos, no threat to human health

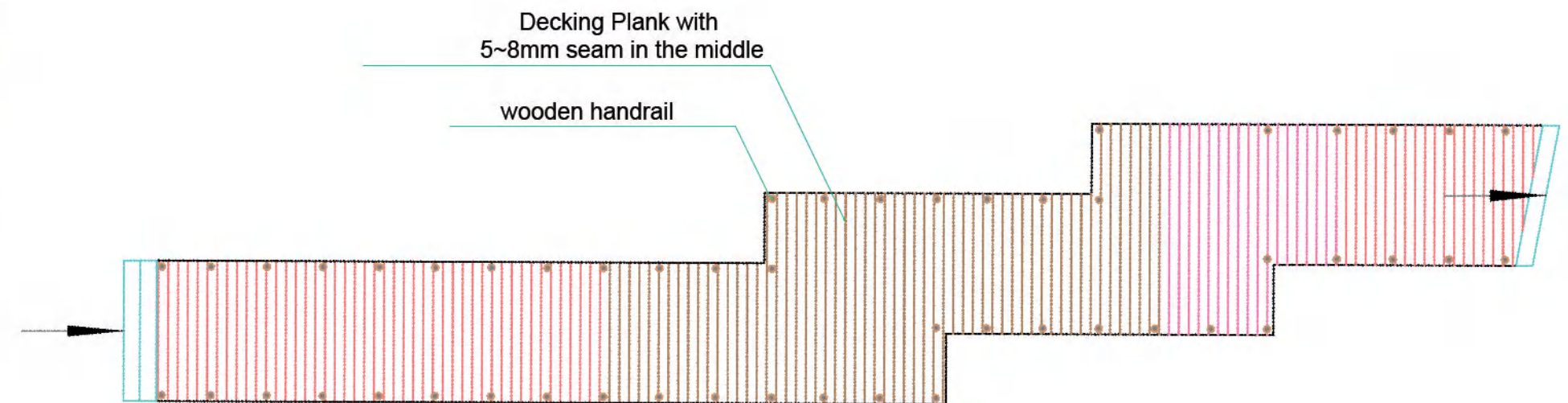


► Installation diagram of Decking Plank





PLANK ROAD PROFILE



INSTALLATION AND POSITIONING DIAGRAM

Decking Plank Project

