DECK PLANK

CATALOGUE 2026



tomzol

PREMIUM FIBER CEMENT
& SILICATE BOARDS.



DECK PLANK

A fiber cement deck plank with a natural wood-effect surface, giving terraces, gardens and public spaces a durable and attractive finish.

Application

It does not rot or warp and needs no painting — it withstands moisture, frost and heavy loads alike. An ideal alternative to impregnated timber and WPC decking.







Plain



Latte



Carmine

Dimensions	3000 × 200 · 3000 × 300 mm
Thickness	22 · 24 mm





PRODUCT PROFILE

An inorganic deck plank with natural wood grain for terraces, garden walkways and public spaces.

Introduction

In modern landscape architecture, walkways and boardwalks have become essential elements: they make a space more interesting and inviting. They not only enhance the view and protect the natural environment, but also give visitors a special, direct experience of it. When creating an attractive, economical and practical garden walkway, the most important step is choosing a decking material of the right quality.

The product

The Deck Plank is an inorganic decking board with a natural wood-grain surface, made using modern production technology from Portland cement, reinforcing fibres and various mineral fillers. It is equally suited to tourist attractions and residential parks, garden structures, decorative features in parks and private gardens, and the exterior envelope surfaces of buildings.

FEATURES

- Inorganic board with an exceptionally long service life.
- Good weather resistance and excellent impact resistance – safe to use outdoors.
- Resistant to mould, bacteria, corrosion and pests, and durable; the service life of the system can exceed 10 years.
- Easy to work and install.
- Distinctive, natural wood grain; made in several wood-effect colours, either through the full cross-section or on the surface.
- Fully non-combustible material, Class A (non-combustible) according to GB 8624.
- Excellent value for money: for typical walkway and decking systems, the total system cost is lower than with impregnated timber.

ENVIRONMENTAL PROTECTION

- Non-combustibility: Class A, non-combustible material; no smoke or toxic gases are produced in a fire.
- Radioactivity: within the safe range, harmless to living organisms.
- Asbestos-free: contains no asbestos and poses no risk to health.



TECHNICAL DATA

DIMENSIONS

Thickness	22 · 24 mm
Width	200 · 300 mm
Length	3000 mm



TECHNICAL PROPERTIES

PROPERTY	VALUE	UNIT
Density	≥ 1.4	g/cm³
Slip resistance value	≥ 35	–
Water absorption	≤ 28	%
Bending strength, water-saturated	≥ 13	MPa
Abrasion resistance	≤ 0.15	g/100 revolutions
Impact strength	≥ 3.5	kJ/m²
Combustibility	Non-combustible, Class A	
Radioactivity	Meets the requirements	
Asbestos content	Asbestos-free	
Concentrated load capacity	≥ 500 kg	
Distributed load capacity	≥ 800 kg/m²	
Other properties	Meets the requirements of JC/T 412.1	





WHY FIBER CEMENT?

Comparing the decking and walkway materials available on the market makes it clear: WPC has poor fire and weather resistance; traditional impregnated timber is combustible, cracks easily and needs constant maintenance; fashionable glass walkways are expensive and a safety hazard. Which material is best suited to landscape walkways and terraces? The fiber cement Deck Plank was developed with exactly this aim.



WPC (WOOD-PLASTIC COMPOSITE)

When the outside temperature changes, the surface and core of WPC heat up unevenly, so it tends to expand, shrink and deform. In the long term this shortens its service life and can lead to severe fading, embrittlement and cracking.

IMPREGNATED TIMBER

01 Environmental risk: its durability comes mainly from CCA wood preservative, a mixture of several elements that are harmful to human health and the environment. The disposal of such timber as waste is also an unsolved problem.

02 Discolouration: it discolours and turns black in use, which significantly spoils its appearance.



Damaged WPC (left) and impregnated timber decking (right)

COMPARISON OF THREE WALKWAY AND DECKING MATERIALS

PROPERTY	FIBER CEMENT DECK PLANK	IMPREGNATED TIMBER	WPC / BAMBOO-PLASTIC COMPOSITE
Main raw material	Silicate, reinforcing fibre	Timber, wood preservative	Wood or bamboo fibre, resin
Environmentally friendly	Contains no asbestos, formaldehyde or other volatile harmful substances	Toxic wood preservatives; uses large quantities of timber	Releases toxic gases during production and toxic substances when burning
Combustibility	Non-combustible, Class A	Combustible	Class B, softens at high temperatures
Weather resistance	Good	Shrinks when dry, swells when wet; poor	Ages in sunlight, deforms severely; poor
Moisture and pest resistance	Good	Medium	Good
Abrasion resistance	Good	Poor	Medium
Service life	> 10 years	≤ 5 years	≤ 5 years
Value for money	Excellent	Poor	Poor

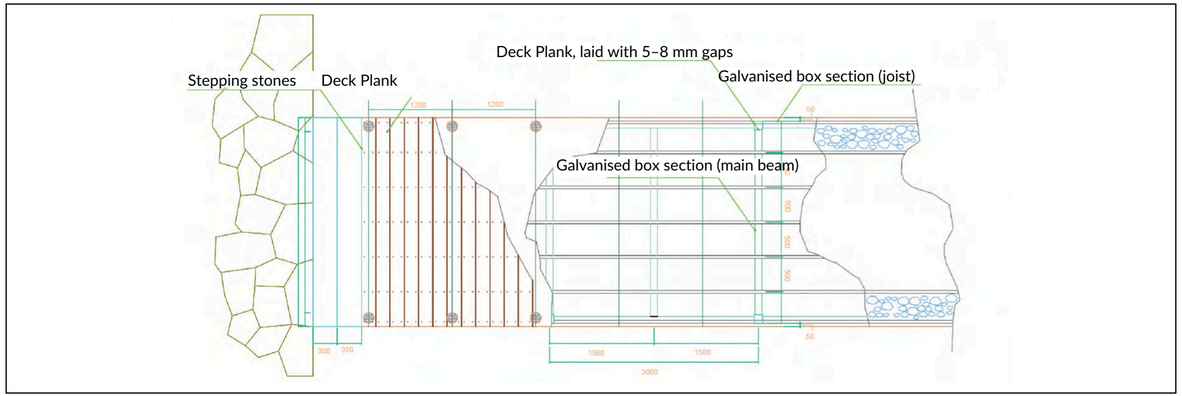




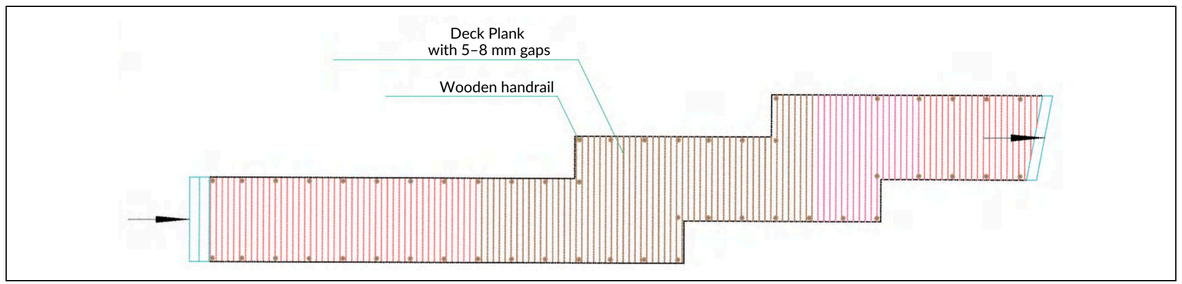


Aged impregnated timber and WPC decking

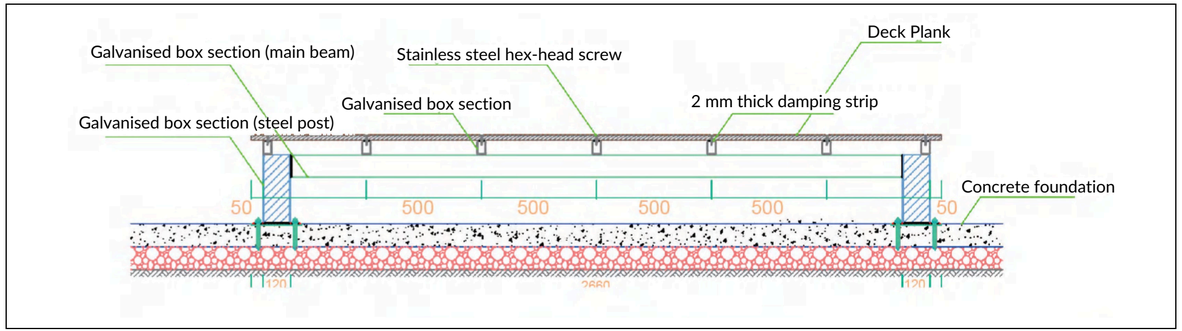
CONSTRUCTION DETAILS



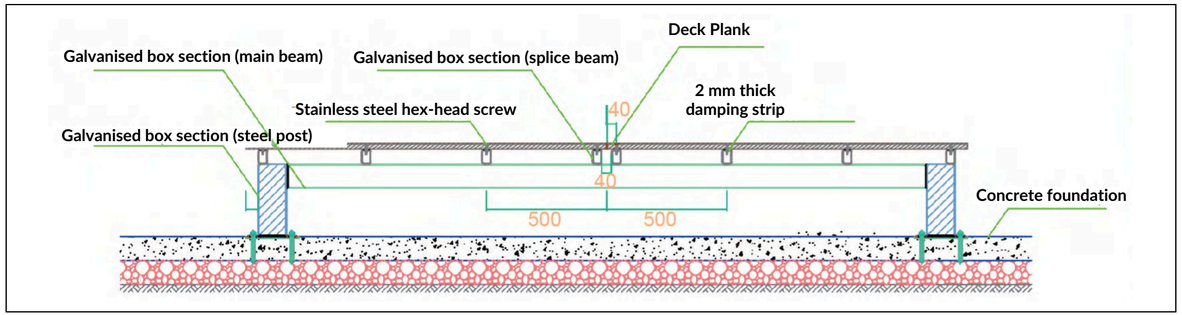
01 Laying plan (detail)



02 Layout and positioning diagram



03 Installation drawing

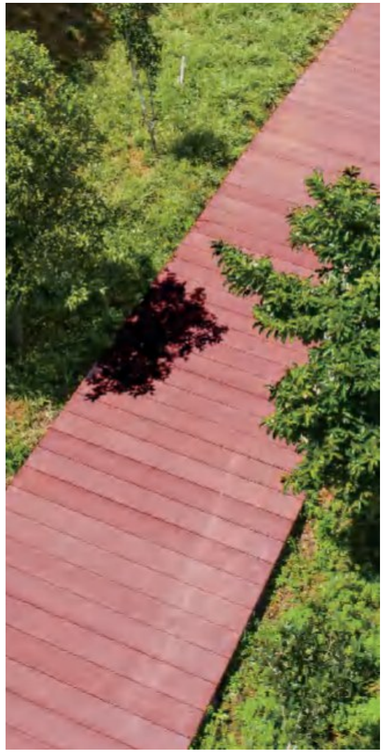


04 Walkway cross-section

SYSTEM COMPONENTS

- Galvanised box-section frame (main beams, joists, steel posts) on a concrete foundation.
- Fixed with stainless steel hex-head screws.
- 2 mm thick damping strip between plank and beam.
- 5–8 mm gap between planks. Drawings are for guidance only.

APPLICATION EXAMPLES





AREAS OF APPLICATION

- Terraces, gardens and public spaces
- Parks and landscape walkways
- Tourist attractions and residential parks
- Garden structures and decorative features in parks and private gardens
- Exterior envelope surfaces of buildings



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