

BETTERTECH WOOD

THE PRODUCT BROCHURE

*Wherever 'Better' goes,
quality follows.*

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Beer Shi

NANJING BETTERTECH CO.,LTD

Honesty. Work Hard. Easy Life.

Our strength is built on our own factory, strategically located near Nanjing, with parallel lines for both WPC and PVC. This gives us full control over quality, supply and product versatility.

To date, we have established a robust supply network across the Yangtze River Delta in China. This solid domestic foundation, complemented by our production base in Malaysia, enables us to provide customers worldwide with responsive, reliable service and stable supply across markets.

Advanced Production Lines:

60+

Annual Output Capacity:

Up to 40,000 Tons

Industry experience:

19 years

WPC and PVC

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What we deliver

Quality, Safety and Guarantee

- Lifespan up to 25 years
- Backed by a 20-year warranty



As your end-to-end partner, we provide comprehensive support—from free samples and custom quotes to tailored solutions—across our full product range, including decking, cladding, fencing, pergolas, ceilings, tiles, trims, and tubes, all engineered to meet key international standards. We supply materials in WPC, ASA-PVC, and other solutions, and welcome collaboration through site visits, local exhibitions, or hosting you at our facilities in China.





Decking

As the advanced generation, co-extrusion WPC features a protective plastic outer layer for superior stability. It offers a reversible, multi-color profile suitable for dual-sided use. With vivid wood grain textures embossed during production, it provides exceptional resistance to stains, fading, and weather, ensuring minimal maintenance and lasting beauty for all outdoor spaces.

High Performance Beta Wood 1

(lamination expertise) and Solar Shield (SST) temperature control technology, our β1 redefines outdoor decking with the three core advantages of "Aesthetics, Comfort, and Durability".

High-definition wood-look grain that replicates the delicate texture of natural solid wood; color options align with diverse spatial styles.



β1 Decking is made of 100% virgin PVC laminated with RENOLIT GEOFOL FH film and SST temperature control, using German adhesive tech for solid structure.



Beta Wood 1 Profile Introduction

β1 Decking elevates villa terraces, hotel pools, and tourism spots, also fitting stairs, facades, railings, and waterfronts —wherever beauty meets everyday life.

Profile Choices



β-wood No.1



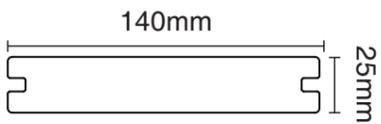
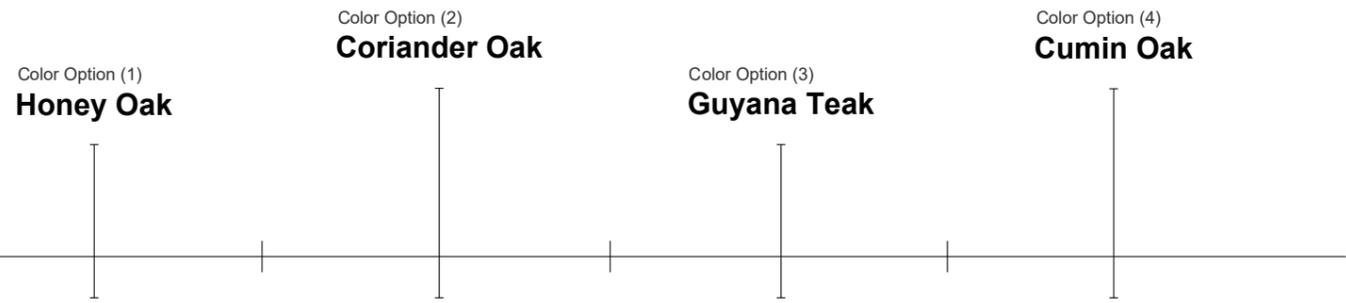
Item No: BT-β1-140S25
Size: 140×25 mm
Thickness: 235+15μm

β-wood No.1 Ending Board



Item No: BT-β1-140S25B
Size: 140×25 mm
Thickness: 235+15μm

Technology & Performance	Test Method	Numeric & Range Limits
Glossiness	ISO 2813 (60°)	8-17
Scratch Resistance	EN 15186	> 4N
Micro scratch resistance	EN 16094:2012 EN 16611:2023	A2 B1
Slip Resistance	51130:2014(Seamless flat surface) 51097:1992 EN 14041:2008 Stamped barefoot EN 16165	R10 A μm=0.60, -Class DS 19°, -A+B
Weather Resistance (Color Change)	EN 513 ISO 105-A02	20 GJ/m2 GM ≥ 3
Abrasion Resistance	Sandpape EN 13329 Grinding wheels & Leather wheels EN 14354:2017-11	>4000 r(Second best level) ≥10000 r(best in class)
Moisture & Water Resistance	In-house testing	No change



High Performance Beta Wood 2

L Customized mm*W 140mm*T 25mm

β2 Decking combines ASA-PVC co-extrusion with high mechanical strength (33.9MPa bending) and thermal stability (Vicat 100.9°C).

Its low expansion and UV-resistant surface ensure durability in coastal, alpine, and high-traffic outdoor settings.

Beta Wood 2 Profile Introduction

Ideal for municipal boardwalks, park trails, coastal villas, and commercial outdoor areas. With high load-bearing and extreme weather resistance, it is a reliable, low-maintenance choice for demanding environments.

Profile Choices



β-wood No.2

Item No: BT-β2-140S25
Size: 140×25 mm



β-wood No.2 Ending Board

Item No: BT-β2-140S25B
Size: 140×25 mm

ASA-PVC (β-2) DECKING TEST REPORT

Series Number	Test Items	BetterTech	Peer Average
1	Bending Strength(MPa)	33.9	10.2
2	Minimum Load(N) 【span is 350mm】	5908	3220
3	Vicat Softening Temperature(°C)	100.9	83.1
4	Linear Thermal Expansion Coefficient(°C)	4.6 X10 ⁻⁵	7 X 10 ⁻⁵

A: Good scratch resistance, allows outdoor furniture to be freely moved and assembled on the floor;

B: Good impact resistance and is not prone to cracking;

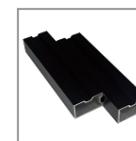
C: The use of SST technology effectively prevents surface temperature rise;

D: Made of new modified PVC, which has effective anti-mildew performance;

E: Comfortable underfoot, with a soft and warm feel like solid wood, suitable for barefoot use;

F: Good weather resistance and ultraviolet radiation resistance.

Accessories



Alu joist



Plastic clips



Metal clips & Start clips



Stainless screws



Co-extrusion WPC Decking

Ideal for municipal boardwalks, park trails, coastal villas, and commercial outdoor areas. With high load-bearing and extreme weather resistance, it is a reliable, low-maintenance.

Profile Choices



Tri-color Decking



Item No: BT-C138H23-J
Size: 138x23 mm



Tri-color Decking



Item No: BT-C138H23-J
Size: 138x23 mm



Bi-color Decking



Item No: BT-C138H23-A
Size: 138x23 mm



Bi-color Decking



Item No: BT-C138H23-B
Size: 138x23 mm

Advantages



High-tech plastic for outer layer 360 degree protection



3D and natural wood texture



Excellent UV resistance



Better anti-scratch and wearing resistance



Stain-proofing and fast cleaning



Slip resistance



100% Eco & recyclable material



Lifespan up to 25 years

Color Choices



Co-extrusion WPC Decking

Beyond our featured products, discover our popular choices below. Contact us for other styles or to discuss our customization service.

1 Choose from over 15 standard colors or enjoy our free custom color matching service by providing your swatch or sample.

2 Available in common lengths (e.g., 2.2m, 2.9m, 3m, 4m) and customizable up to 5.4m to fit your project and shipping needs.



Item No: BT-C148H23B-S
Size: 148x23 mm



Item No: BT-C148H22
Size: 148x22 mm



Item No: BT-C140H22-S
Size: 140x22 mm



Item No: BT-C138S23C
Size: 138x23 mm



Scratch-Resistant Decking
Item: BT-C140H25-S



Seamless Decking



Item No: BT-C145H22.5-J
Size: 145x22.5 mm



Scratch-Resistant Decking



Item No: BT-C140H25-S
Size: 140x25 mm

Why WPC Outperforms Traditional Wood?

WPC decking offers a superior, low-maintenance alternative to traditional wood. Made from recycled materials, it resists water, rot, insects, and fading without needing stains or sealants. Enjoy a durable, splinter-free surface with consistent color and enhanced safety. While the initial investment may be higher, WPC saves significant time and money on upkeep, delivering lasting beauty and value for your outdoor living space.

Accessories



Joist



Edge banding



Edge banding



Plastic clips



Metal clips & Start clips



Stainless screws

Classic WPC Decking

Classic WPC decking fuses recycled wood fibers and plastic via extrusion, with durable 3D embossed/standard surfaces. Moisture, rot, UV and splinter resistant, it's an eco-friendly, low-maintenance, cost-effective wood alternative for durable outdoor decks and patios.

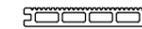
3D Embossed WPC Decking

Featuring deep relief technology to deliver authentic wood grain texture. Crafted from recycled materials, it effectively resists rot, warping, and fading while requiring minimal maintenance—no painting or sealing needed.

Profile Choices



Classic WPC Decking



Item No: BT-146H21
Size: 146×21 mm

Classic WPC Decking



Item No: BT-150H23-S
Size: 150×23 mm

· Eco-Conscious Material

Made from recycled wood and plastic. A sustainable, low-maintenance choice that reduces waste.

· Superior Performance

Resists fading, stains, moisture, and rot. Ensures long-lasting safety without warping or splintering.

· Advanced Embossing Technology

Features deep 3mm online embossing. Creates a realistic, slip-resistant wood-grain surface.

· Design Versatility

Suits projects from decks to boardwalks. Available in multiple wood-grain styles and colors.

Color Choices

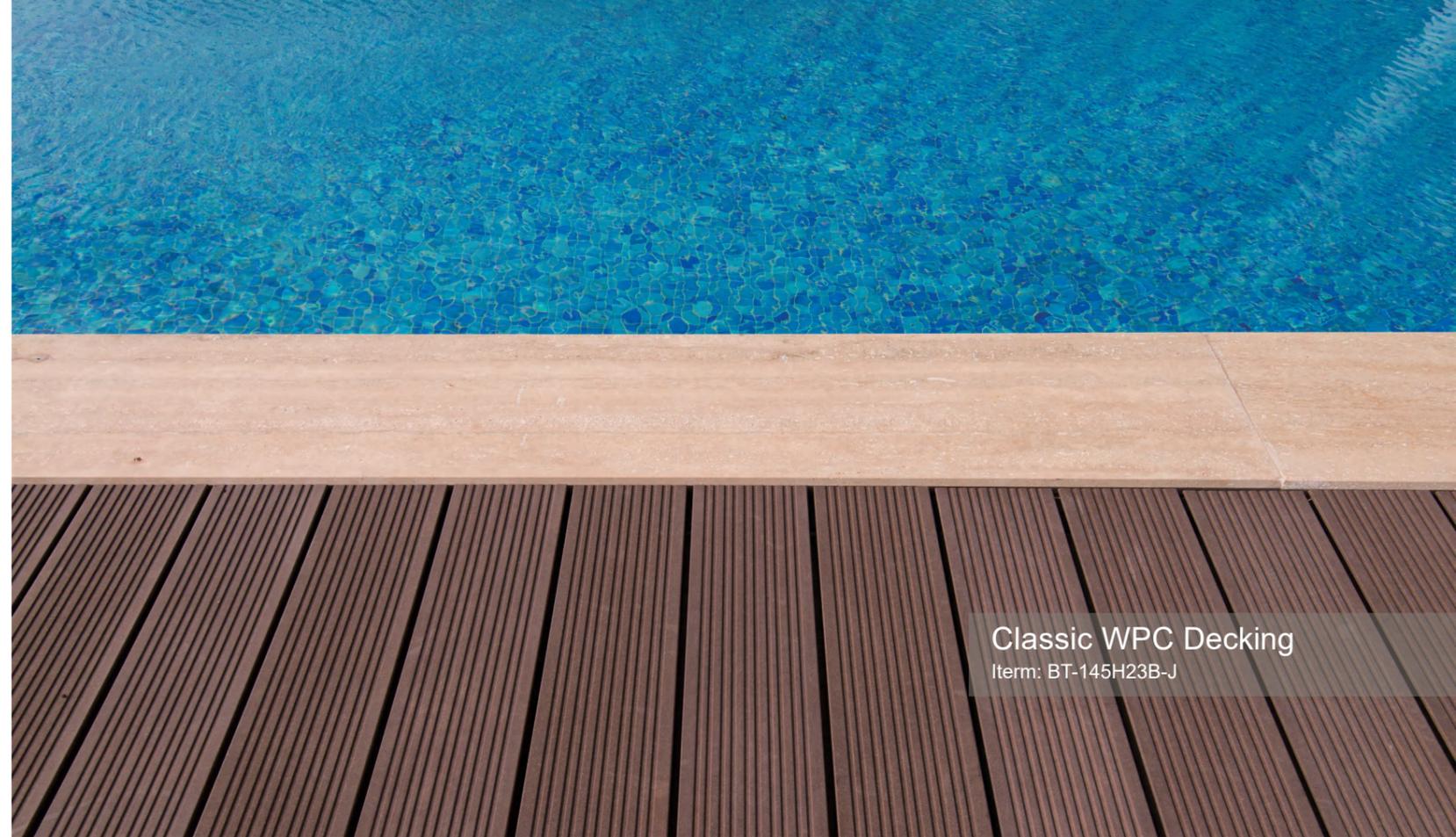


Additional Selections

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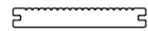
2 Available in common lengths (e.g., 2.2m, 2.9m, 3m, 4m) and customizable up to 5.4m to fit your project and shipping needs.



Classic WPC Decking
Item: BT-145H23B-J



Item No: BT-140H25
Size: 140x25 mm



Item No: BT-140S20-Q
Size: 140x20 mm



Item No: BT-140S23-S
Size: 140x23 mm



Item No: BT-145H23B-J
Size: 145x23 mm



Classic WPC Decking 

Item No: BT-140S25-S
Size: 140x25 mm



Ending Board 

Item No: BT-140S25C
Size: 140x25 mm

Co-extrusion Decking VS Classic Decking

Co-extrusion WPC features a protective plastic outer layer for enhanced stability and fade resistance. It offers a reversible, multi-color profile for dual-sided use with vivid wood grain embossed during production. Classic WPC provides durable, eco-friendly decking through standard extrusion, available in deep 3D or standard embossed surfaces. While both resist rot and require low maintenance, the co-extrusion version delivers superior long-term performance and design versatility.

Accessories



Joist



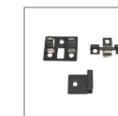
Edge banding



Edge banding



Plastic clips



Metal clips & Start clips



Stainless screws



Cladding

Redefining building facades with nature's beauty, our high-performance outdoor wall panels blend wood grain textures & modern tech. Weather-resistant, waterproof, stable, lightweight yet durable, they're easy to install, low-maintenance, eco-friendly, multi-styled, ideal for villas, commercial facades & gardens.

ASA-PVC Cladding

ASA-PVC Cladding has ASA UV/weather-resistant exterior & PVC core. It ensures color stability & mimics wood/stone aesthetics.



BT-ASA219H25

Unlike WPC that absorbs moisture when cut edges are exposed, ASA-PVC panels resist fading, moisture and thermal expansion for consistent durability. While WPC has a natural wood-look texture, ASA-PVC excels in color retention and needs less maintenance, ideal for harsh climates and long-term performance.

ASA-PVC Cladding

Boasting a reinforced co-extruded structure, and resists scratches, abrasions and daily wear. Its wood-like or durable textured finish makes it ideal for high-traffic areas.

Profile Choices



Item No: BT-ASA112S16
Size: 112×16 mm



Item No: BT-ASA121S12
Size: 121×12 mm



Item No: BT-ASA122H10
Size: 122×10 mm



Item No: BT-ASA170H14
Size: 170×14 mm



Item No: BT-ASA190H20
Size: 190×20 mm



Item No: BT-ASA207H16
Size: 207×16 mm

· Outer layer

ASA/PVC panels (dual-coextrusion): surface ASA resists UV & fading.

· Maintenance-free

waterproof, mold-proof, easy to clean, low-maintenance, long-lasting color & texture.

· Inner layer

the PVC core provides lightweight, stable, and high-strength support.

· Various styles

Wood grain to modern minimalist styles—effortlessly achieved.

Color Choices



Co-extrusion WPC Cladding

Co-extrusion WPC Cladding features a durable WPC core fused with a protective outer layer. It offers superior resistance to fading, moisture, and scratches, delivering long-lasting, low-maintenance performance for modern exteriors.



Co-extrusion WPC Cladding

Our range includes the hollow “Great Wall” panel (BT-C219H26 Series) and the solid smooth panel (BT-C174S21) for varied styles.

Profile Choices



Item No: BT-C219H26D
Size: 219×26 mm



Item No: BT-C128H25-Q
Size: 128×25 mm



Item No: BT-C174S21-J
Size: 174×21 mm



Item No: BT-C176H13-Q
Size: 176×13 mm

• **Core material**

Made from wood flour & composite materials, boasting stability and durability.

• **Eco-friendly**

Made from recyclable materials, free of formaldehyde or harmful substances, green, safe & sustainable.

• **Durable outer layer**

Extrusion-tech surface for a strong protective barrier.

• **Low-maintenance**

No painting needed, simple cleaning for a vibrant look.

Accessories



External edge banding



Internal edge banding



Internal edge banding



Internal edge banding



Stainless screws

Co-extrusion WPC Cladding

Ideal for exterior wall cladding, balcony facades, and garden fences. Its durability and aesthetic versatility also make it suitable for feature walls in cafes, hotels, and commercial interiors.



Item No: BT-C176H26-Q
Size: 176×26 mm



Item No: BT-C190H25
Size: 190×25 mm



Item No: BT-C192H26
Size: 192×26 mm



Item No: BT-C194H25
Size: 194×25 mm



Item No: BT-C219H25
Size: 219×25 mm



Item No: BT-C219H26
Size: 219×26 mm

A rich variety of colors and patterns are available, with personalized customization also supported to satisfy multiple requirements of different projects.



Item No: BT-C219H26B
Size: 219×26 mm



Item No: BT-C219H26C
Size: 219×26 mm



Item No: BT-C219H26E
Size: 219×26 mm



Item No: BT-C219H26-J-5
Size: 219×26 mm



Item No: BT-C219H26-S
Size: 219×26 mm



Item No: BT-C245H33-Q
Size: 245×33 mm



Residential / Apartment

Courtyards / Gardens

Office / Office Building

Hotels / Resorts

Restaurants / Bars



Classic WPC Cladding

This wood-plastic composite cladding enhances architectural facades with a refined, natural wood texture. Featuring realistic grain details, it resists fading, cracking, and weathering. Ideal for residential facades, garden walls, and commercial exteriors.

Classic WPC Cladding

Perfectly recreates the texture of natural wood grain, showcasing the beauty of nature—suitable for all types of residential and commercial spaces.

Profile Choices



Classic WPC Cladding

Item No: BT-148S21
Size: 148×21 mm



Classic WPC Cladding

Item No: BT-156S21-Q
Size: 156×21 mm



Classic WPC Cladding

Item No: BT-174S21
Size: 174×21 mm



Classic WPC Cladding

Item No: BT-219H26
Size: 219×26 mm



Color Choices



Fencing

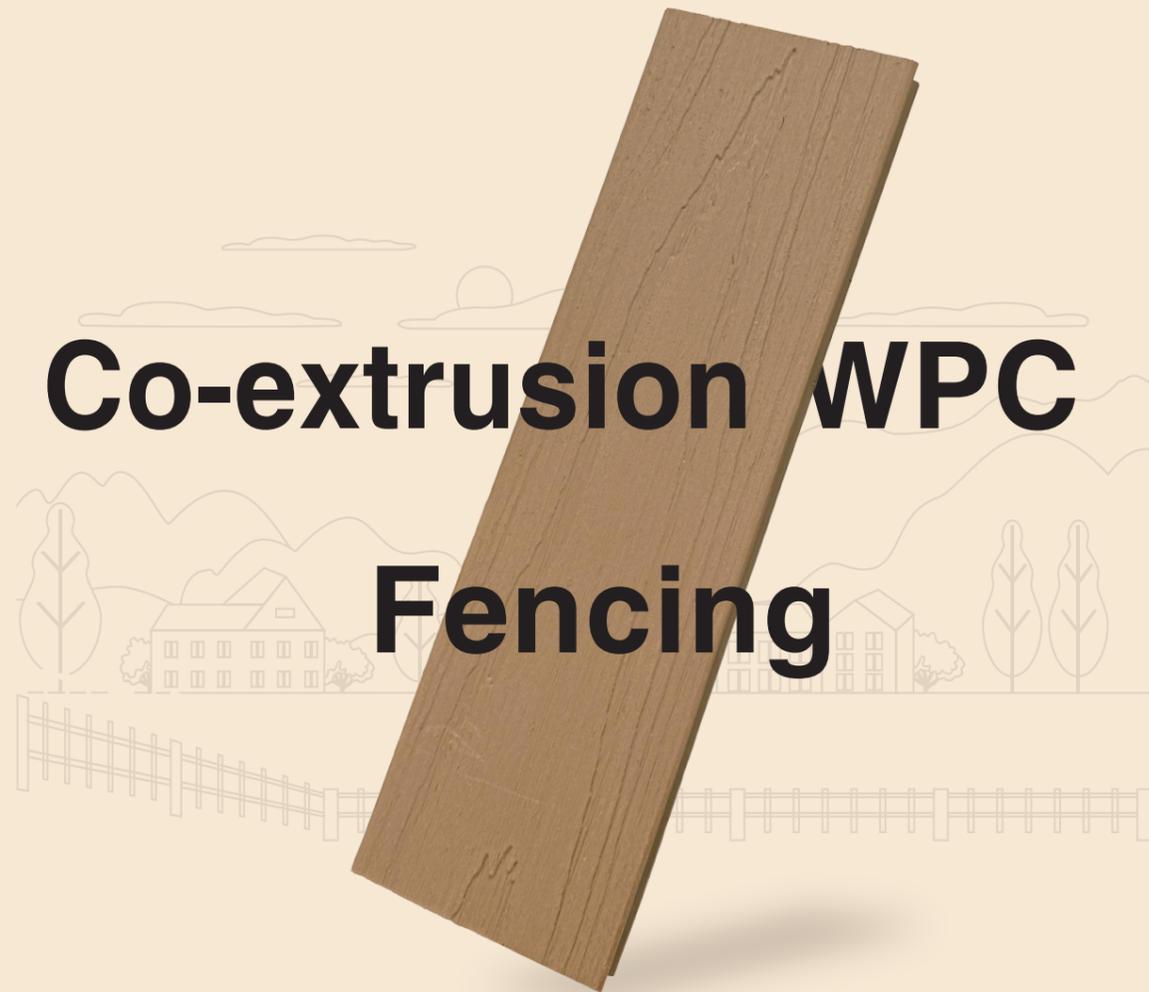
Our fencing collection, including WPC and ASA-PVC options, features DIY-friendly designs. All panels easily connect via posts for flexible layouts. We provide complete kits with all necessary accessories, empowering your creative outdoor transformations effortlessly.



Combining wood-plastic composite traits & co-extrusion strengths, it has an anti-ultraviolet co-extruded surface and high-density WPC core, balancing practicality with natural texture.



Item No: BT-C90H20-J
Size: 90×20 mm



Co-extrusion WPC Fencing

Co-extrusion fences come in a variety of designs and colors to suit different aesthetic preferences. You can choose from classic wood grain finishes to modern, sleek styles.

Co-extrusion WPC Fencing

Co-extrusion fences can be customized with decorative elements like lattice tops or integrated lighting, allowing you to create a unique and personalized look for your outdoor space.

Profile Choices



Item No: BT-C190H20-Q
Size: 190×20 mm



Item No: BT-C150H20
Size: 150×20 mm



Item No: BT-C160H20
Size: 160×20 mm



Item No: BT-C163H20
Size: 163×20 mm

· **Superior Weather Resistance & Durability**

Withstands sun, rain, temps & mold; no deformation, cracking, fading; far tougher than wood/plastic fences.

· **Easy Installation & Maintenance**

Easily wipe-clean for daily care; its flexible assembly system cuts labor & time costs.

· **Eco-friendly & Recyclable**

Made from wood fiber & recycled plastic; non-toxic & pollution-free.

· **Natural Texture & Aesthetics**

Authentic real wood-like grain; seamlessly combines protection with timeless visual appeal.

Color Choices



Classic WPC Fencing

Made from wood fiber and recycled plastic through a special process, it combines the natural texture of wood with the stable performance of plastic.

Profile Choices



Item No: BT-150H21
Size: 150×21 mm



Item No: BT-162H20
Size: 162×20 mm

• Weather-resistant & Durable

Resists sun, rain, mold; no deformation, cracking or fading over time.

• Ultra-long Lifespan

Boasts a 20-year rot-free service life; remains intact under long-term sun, rain and humidity.

• Easy Maintenance

No complex upkeep or special tools required—just a simple wipe with a damp cloth daily keeps the surface clean and fresh.

• Attractive & Practical

Features natural wood grain; combines protection, decoration and eco-friendliness.



Application of Fencing
in Tropical Regions

1

Classic WPC fencing offers a more realistic wood-like effect than co-extruded products, with authentic texture and color.

2

Its natural appearance suits varied outdoor decor, meeting aesthetic needs while remaining durable and eco-friendly.

Accessories



Side cover for Alu post



Screws & Brackets



L clips



Fence board edges



Alu post



Post cap



Post base



Expansion screw

Color Choices



Tube

Tube panels act as decorative elements that add visual depth and dimensionality. Their simple geometric forms and orderly arrangements create rich light-shadow effects, giving buildings a modern design feel. Made from eco-friendly materials, the panels balance aesthetics with sustainability.





WPC Tube Co-extrusion

★★★★★

Description

Designed through material innovation and co-extrusion technology, it is both durable and environmentally friendly for use as an outdoor building material, combining the natural texture of wood with the durability of plastic.

Dimensions

Size: L Customized mm* W 100mm* T 50mm



Description

Dimensions

Available Colors



Stone Grey Yellow Redwood Teak Walnut

How To Use



Co-extrusion WPC Tube

With excellent shock and scratch resistance from its co-extruded layer, it's suited for outdoor facades, landscape corridors, commercial areas, and ceilings.

Profile Choices



Item No: BT-C60H42-J
Size: 60×42 mm



Item No: BT-C100H50-J
Size: 100×50 mm



Item No: BT-C120H70-J
Size: 120×70 mm

Classic WPC Tube

The natural wood grain texture enhances both visual warmth and tactile comfort, making it suitable for outdoor facades, landscape pavilions, linear designs in commercial spaces and other applications.

Profile Choices



Classic WPC Tube
Item No: BT-50H50
Size: 50×50 mm



Classic WPC Tube
Item No: BT-100H50
Size: 100×50 mm

WPC Aluminum Co-extrusion Tube

The WPC Aluminum Co-extrusion Tube combines an eco-friendly WPC core with a sturdy aluminum shell. It provides a lightweight, strong, and corrosion-resistant solution ideal for construction, furniture, and structural supports.

WPC Aluminum Co-extrusion Tube

The perfect synergy: aluminum's structural strength meets WPC's durability and sustainability, creating a lightweight yet incredibly robust solution.

Profile Choices



Item No: BT-LSC50H30
Size: 50×30 mm



Item No: BT-LSC50H50
Size: 50×50 mm



Item No: BT-LSC100H45
Size: 100×45 mm



Item No: BT-LSC128H53
Size: 128×53 mm

· Material & Process

This profile is created through advanced co-extrusion, permanently bonding a recycled WPC core with a protective aluminum outer layer.

· Structure & Performance

The aluminum shell provides high strength and corrosion resistance, while the WPC core ensures durability and reduces overall weight.

· Key Advantage

It achieves superior load-bearing capacity and longevity, yet remains lightweight for easy handling and installation.

· Application

An ideal, sustainable choice for construction formwork, architectural structures, railings, and high-strength furniture frames.

ASA-PVC Tube

Fit residential ceilings, commercial lobbies, offices & outdoor pergolas—balancing indoor aesthetics and outdoor weather resistance perfectly.

Profile Choices



Item No: BT-ASA25H25
Size: 25×25 mm



Item No: BT-ASA50H25
Size: 50×25 mm



Item No: BT-ASA60H30
Size: 60×30 mm



Item No: BT-ASA80H25
Size: 80×25 mm



Item No: BT-ASA120H60
Size: 120×60 mm



Item No: BT-ASA120H120
Size: 120×120 mm

• Outer Layer

ASA outer layer providing excellent weather resistance, UV protection, and long-lasting color retention.

• Easy Installation

Optimized splicing design & lightweight build enable fast, secure assembly.

• Core Layer

PVC core material not only ensures structural stability but also reduces product weight.

• Low-maintenance

waterproof, mildew & corrosion-resistant, scratch-proof surface & easy to clean.

Accessories



Post cap



Post base



Stainless screws



ASA-PVC Tube

Composite Tube Panels blend ASA resin and PVC for premium, stable performance. They are eco-friendly, free from harmful substances like formaldehyde, and meet strict standards. Lightweight yet durable, they are easy to install and require zero maintenance—no painting or polishing.

Texture Collection

Whether it's decking, cladding, fencing, or tubes, you have ten rich patterns to choose from. If these patterns don't meet your needs, feel free to contact us directly for customization.

Texture Choices



Code: **BT01** | Sanding Surface with Linear Grooves



Code: **BT02** | 3D Embossing | 942mm Repeat



Code: **BT03** | 3D Embossing | 942mm Repeat



Code: **BT04** | 3D Embossing | 942mm Repeat



Code: **BT05** | 3D Embossing | 942mm Repeat

Texture Collection

Whether it's decking, cladding, fencing, or tubes, you have ten rich patterns to choose from. If these patterns don't meet your needs, feel free to contact us directly for customization.

Texture Choices



Code: **BT06** | 3D Embossing | 942mm Repeat



Code: **BT07** | 3D Embossing | 942mm Repeat



Code: **BT08** | 3D Embossing | 942mm Repeat



Code: **BT09** | Light Embossing | 942mm Repeat



Code: **BT10** | Wire Grain | 942mm Repeat