



**Aiming for new technology
and high quality**

BST's DECK-ROAD SYSTEM

***BEST QUALITY, BEST PRODUCT
WOOD PLASTIC COMPOSITES***



BOSUNG POLY-TECH CO., LTD.
www.bstpipe.co.kr

BOSUNG POLY-TECH CO., LTD.

**a company that realizes harmony
between nature and architecture as the
best motto and works to create the best
in service value.**

After being established in 2001, we have collected the best in technological skills as a company specializing in water supply and sewage extrusion pipes. With 20 years' technical know-how, we opened a R&D center in 2020 and combined eco-friendly synthetic wood technology development with extrusion technology. Our motto has been the harmony between humans and nature.

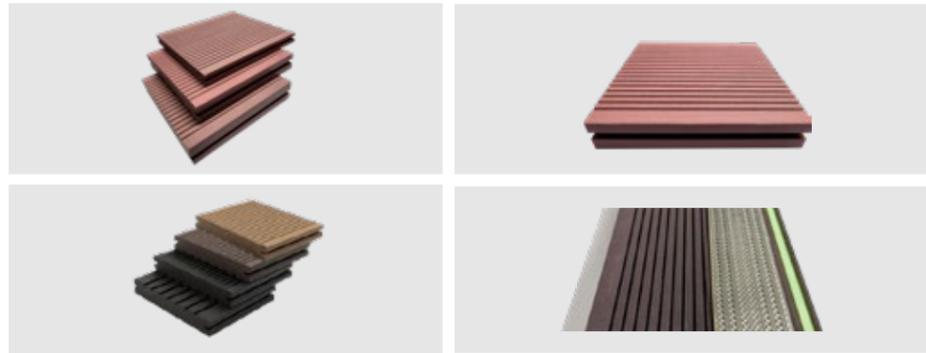
We promise to provide services that create products with the best value, based on our prior experience and technology regarding water supply and sewage extrusion pipes.

On the strength of trust and positivity, we at BOSUNG POLY-TECH CO., LTD. shall grow further into an eco-friendly company that works by your side.



**The executives and staff at
BOSUNG POLY TECH**

Wood Plastic Composite Deck



Identification Number (Procurement Agency of Korea)	MODEL	SPECIFICATION T×W×L (mm)	WEIGHT	COLOR	ORIGIN
24267246	BST-2F-20	20×150×2400/3000	28.6 kg/m ²	RED/ DARK BROWN	SOUTH KOREA
24267247	BST-2F-25	25×150×2400/3000	33.5 kg/m ²		
24267248	BST-2F-30	30×150×2400/3000	41.3 kg/m ²		
24267249	BST-2F-20B	20×150×2400/3000	26.6 kg/m ²		
24267250	BST-2F-25B	25×150×2400/3000	31.5 kg/m ²		
24270932	BST-2F-25L (주)SNC	25×150×2400/3000	4.8 kg/m		
-	BST-2F-15	15×150×2400/3000	21.8 kg/m ²		

SPECIFICATION



MODEL	CROSS SECTION	SURFACE PROCESSING	COLOR
BST-2F-20 (SOLID/CLIPS)		BRUSH	RED, DARK BROWN
BST-2F-25 (SOLID/CLIPS)		BRUSH	RED, DARK BROWN
BST-2F-30 (SOLID/CLIPS)		BRUSH	RED, DARK BROWN
BST-2F-20B (SOLID/CLIPS)		BRUSH	RED, DARK BROWN
BST-2F-25B (SOLID/CLIPS)		BRUSH	RED, DARK BROWN
BST-2F-25L (SOLID/CLIPS) (주)SNC		BRUSH, NON-SLIP SUS SHEET, LUMINANT	RED, DARK BROWN

Advantages of eco-friendly BST's WPC

Durability

The BST's eco-friendly WPC deck, made through extrusion molding from natural wood fibers and thermoplastic resin(PVC) and designed to have the best of both worth, improves on the weakness of real wood (vulnerability to moisture and insects). Therefore it is an eco-friendly construction material with great durability.

Stability and Machinability

Almost impervious to any distortion/cracking due to external factors such as UV light and temperature changes, this material has great dimensional stability. With various specifications, colors, and construction types that can fit the purposes, creating a wellbeing space becomes easy.

Waterproof

Low moisture absorption means no quality degradation in beaches, waterside parks, water stages, etc. so neither is there any distortion, corrosion, nor rotting.

Beauty

A natural texture like that of real wood can be used to create various images. A more high-quality image is rendered to exterior/interior spaces, and you will feel a beautiful harmony with the surrounding landscape.

Pest-resistant

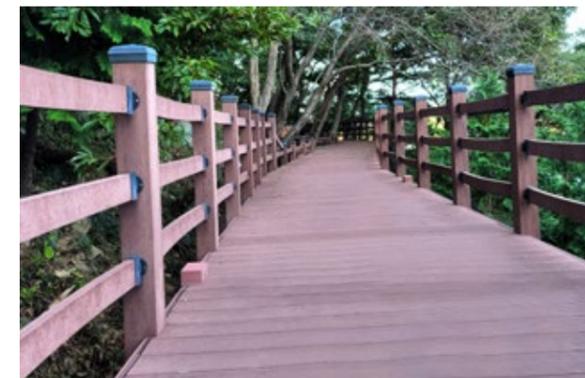
Even without preservative treatment, it has excellent insect resistance, antibacterial properties, and weather resistance, and it can maintain a refreshing space by emitting far-infrared rays and anions, which are beneficial to the human body.

Recyclable

BST's eco-friendly Wood Plastic Composite is recyclable.

Antibiotic

This eco-friendly architecture material suppresses the proliferation of harmful fungi and germs (such as colon bacillus) at 99percent and prevents contamination by liquids, and it is also non-toxic and odor-free.



Performance of the wood and plastic composite deck(floorboard)

TEST ITEM		QUALITY CRITERIA	KS(ISO) CERTIFY
Specific gravity		0.8 ~ 1.5	KS F 3230
Maximum bending stress (N)	H, H-T	3 000 or more	KS F 3230
	S, S-T	3 400 or more	
Bending creep transformation (%)	H, H-T	0.20 or less	KS F 3230
	S, S-T	0.25 or less	
Impact resistance	Room temperature	Shall have no trouble	KS F 3230
	Low temperature	Shall have no trouble	
Charpy impact test (kJ/m ²)		3.0 or more	KS F 3230
Twist (%)		2.0 or less	KS F 3230
Maintaining force of the screw (N)	H, H-T	400 or more	KS F 3230
	S, S-T	780 0 or more	KS F 3230
Slide resistance (C.S,R)		0.40 or more	KS F 3230
Moisture absorption rate	Weight change (%)	8.0 or less	KS F 3230
Freezing and melting	Max. bending stress change rate (%)	90 or more at the initial stage	KS F 3230
Length coefficient of linear thermal expansion (1/°C)	S-T, H-T	3.0 × 10 ⁻⁵ or less	
		S, H	6.0 × 10 ⁻⁵ or less
Weather resistance	Charpy impact change rate (%)	80 or more at the initial stage	KS F 3230
Elution amount of harmful material (mg/L)	Arsenic (As)	0.1 or less	KS F 3230
	Cadmium (Cd)	0.1 or less	
	Chrome (Cr)	0.1 or less	
	Lead (Pb)	0.1 or less	
	Mercury (Hg)	0,005 or less	
Diffusion amount of formaldehyde (mg/L)		1.5 or less	KS F 3230
Flame resistance	Carbonization length (cm)	20 cm or less	KS F 3230
	Remaining flame (sec)	10 sec or less	

Natural wood deck



ITEM	MODEL	SPECIFICATION(T * W * L)
MERBAU	BST-MBU-01	T30 * 120 * 1800
BANGKIRAI	BST-BAK-02	T24 * 140 * 1800
MALAS	BST-MAL-03	T30 * 120 * 1800
IPE	BST-IPE-04	T21 * 90 * 1800
KUMEA	BST-KUM-05	T21 * 90 * 1800
MAPLE	BST-MAP-06	T22 * 60 * 1800

Bamboo deck

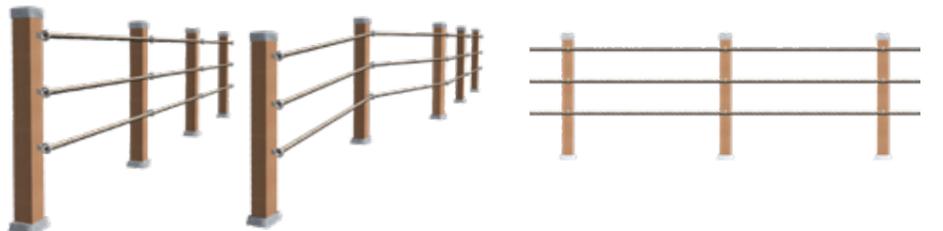


ITEM	SPECIFICATION
Flooring	T20*139*1860
	T20*137*1850
	T21*140*1860
Indoor panel	4*8*T12/18/20
Siding	T12*100*1860

Design fences



•Fixed-type fence (vertical)
MODEL BST-FD-01
SPEC. 1500 * 1200



•Fixed-type fence (horizontal)
MODEL BST-FD-02
SPEC. 1500 * 1200



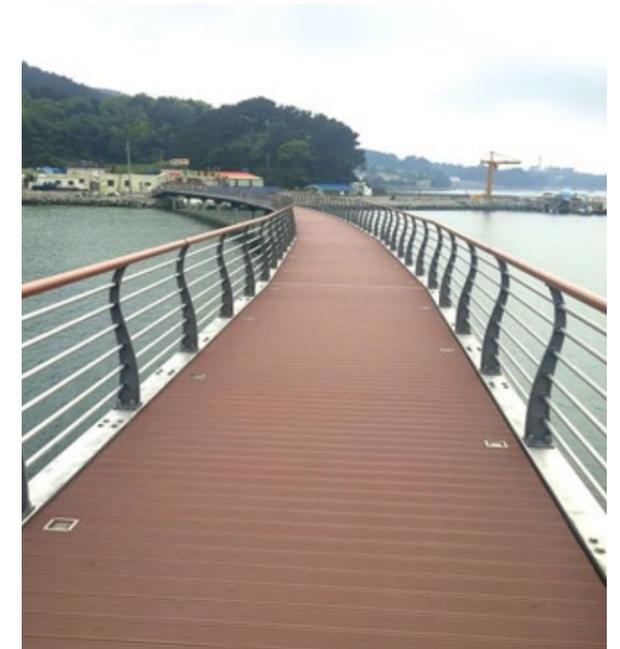
•Fixed-type fence (horizontal)
MODEL BST-FD-03
SPEC. 1500 * 1200



•Fixed-type fence (horizontal)
MODEL BST-FD-04
SPEC. 1500 * 1200

Design fences

Various design fences and banisters made of synthetic wood, with high durability and simple installation. These fences are human-friendly and eco-friendly with a natural texture like that of real wood and convenient machinability.



Handrail accessories for fences

	Item name	Model	Specifications
	Column upper cap	BST-FB-01	120*120*55
	Lower cap	BST-FB-02	120*120*70
	Bracket (fixed)	BST-FB-03	85*40*33.5
	Bracket (fixed)	BST-FB-04	94*90*33.5
	Bracket (movable)	BST-FB-05	85*40*93.5
	Bracket (movable)	BST-FB-06	94*90*93.5

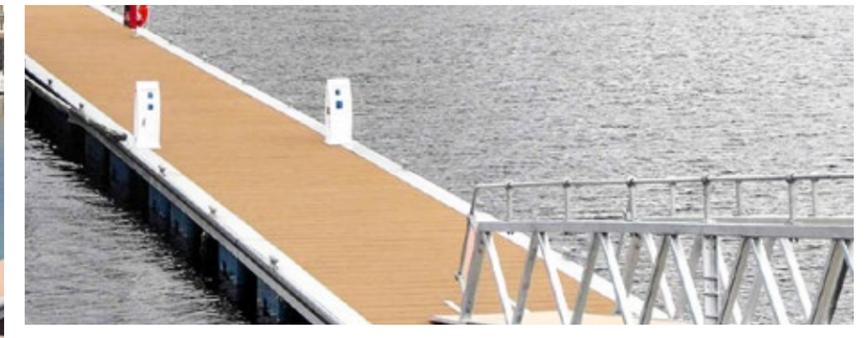
Connecting accessories for decks



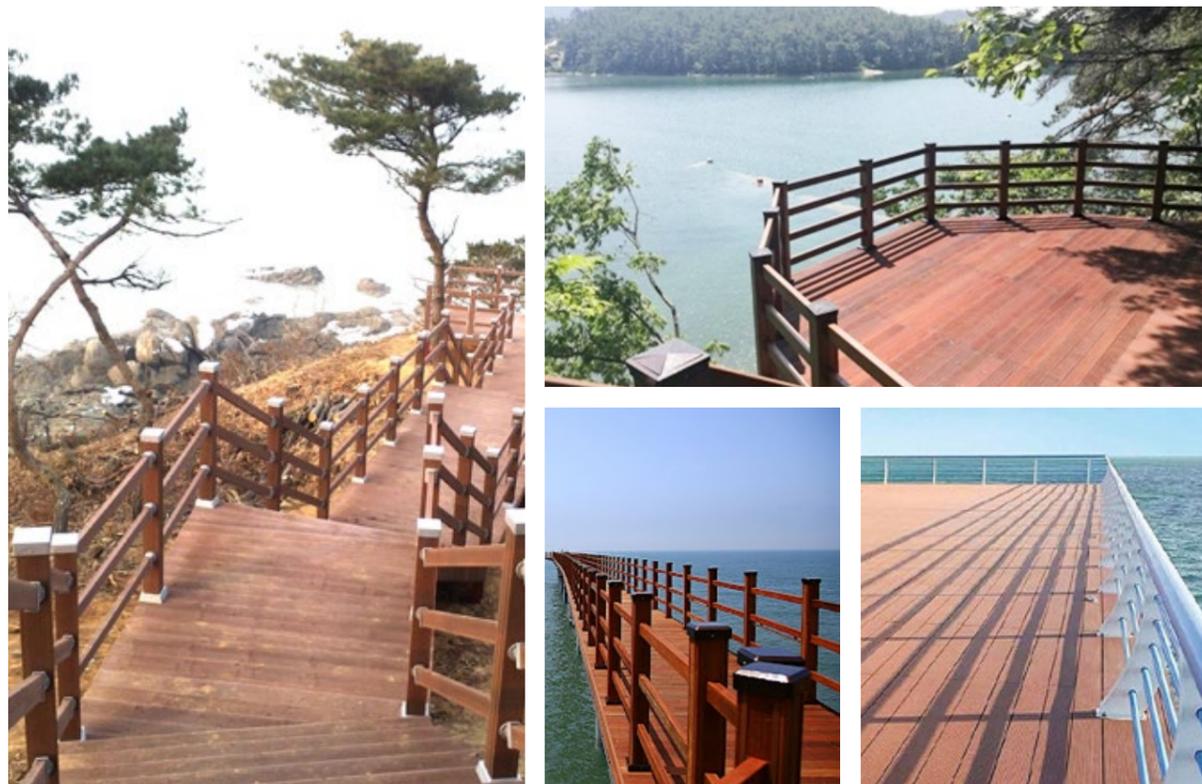
Certifications



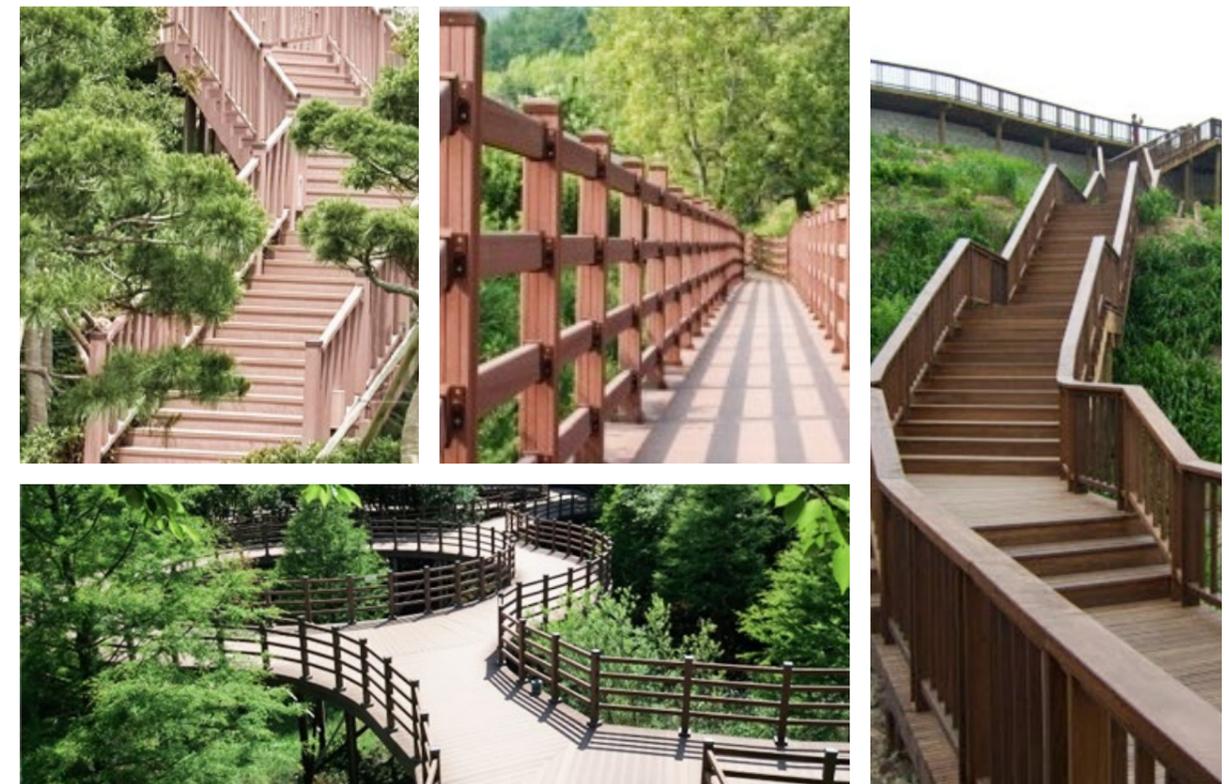
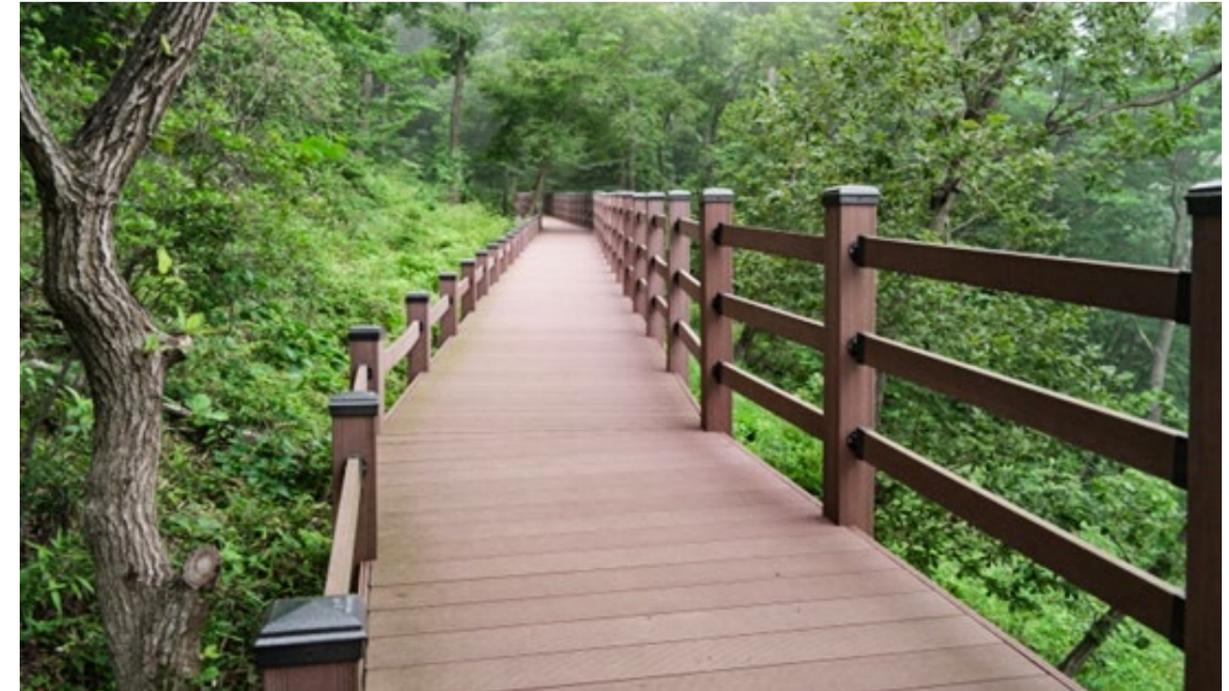
Example of completed BST's WPC-deck Yacht mooring

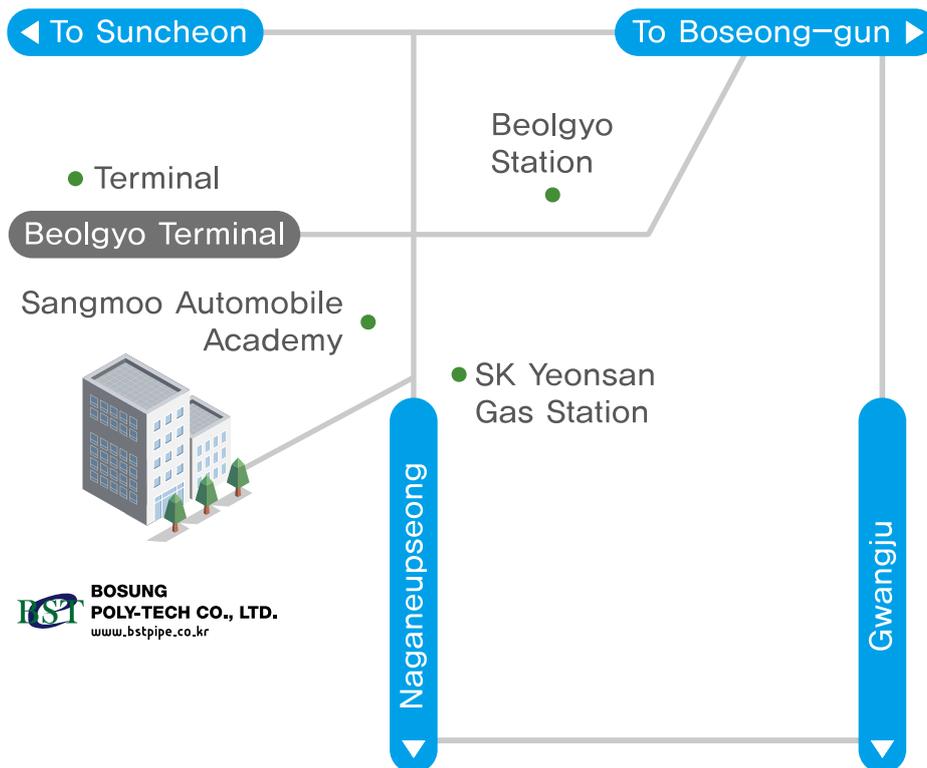


Example of completed BST's WPC-deck road of Seaside



Example of completed BST's WPC-deck road of Walkway





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