

GS Composite is the first Russian woodworking plant to offer wood-plastic composite (WPC, polywood) materials based on an innovative technology featuring polyethylene terephthalate (PET) solid plastic as an additive. Our enterprise is a part of a timber processing division of the GS Group Holding. In a two-stage manufacturing process, polywood (WPC) granules are made first and then the final product is manufactured from WPC granules.

All products are made exclusively from high-quality inputs guaranteeing consistent quality, durability, environmental friendliness of the final goods along with their compliance with the highest world standards.

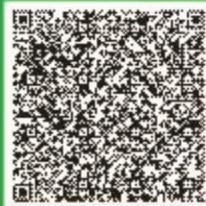
Product range:

- Decking (different kinds of hollow, copulent, side-seam, seamless decking boards)
- Fencing, handrail and protection structures
- Siding products.

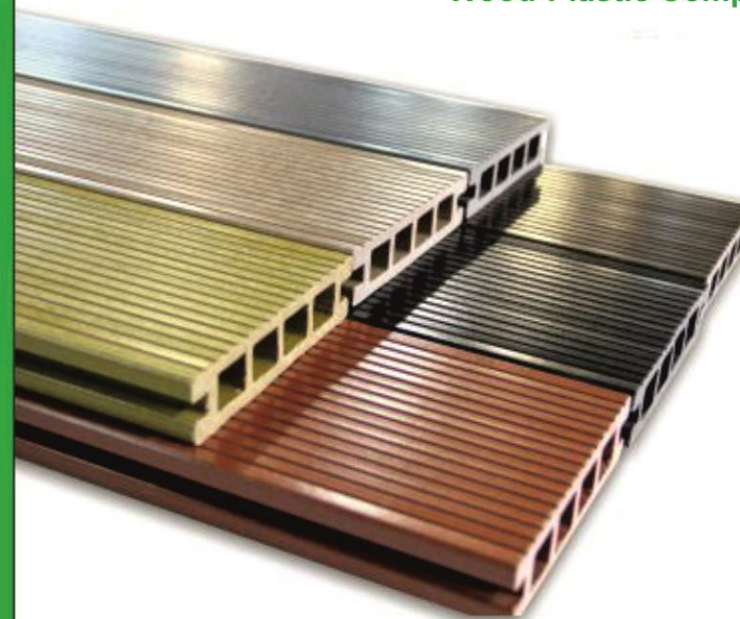


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<http://gs-composite.ru>



Wood-Plastic Composite Product Plant



**Decking
from wood-plastic composites (WPC)**



Siding

Exterior cladding for buildings and structures.

Benefits:

- ▶ Withstands aggressive environmental conditions.
- ▶ Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- ▶ UV-resistant (will not fade) and moisture-proof.
- ▶ Protected against insects, fungi, molds and decay.
- ▶ No substances hazardous to human health are used in production.
- ▶ Easy to fit.

Siding

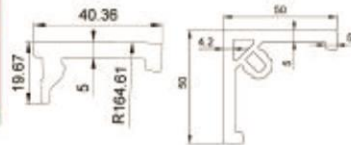
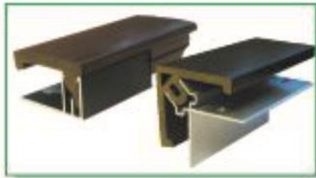
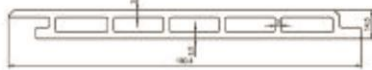
Width, mm 180.4
Thickness, mm 14.5

Starting profile

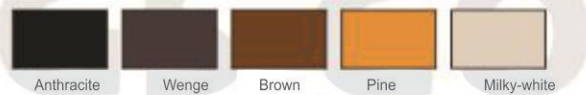
Width, mm 40.4
Thickness, mm 19.7

"L"-trim for siding

Width, mm 50
Thickness, mm 50



Color options:



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Wall panel

Exterior cladding for buildings and structures.

Benefits:

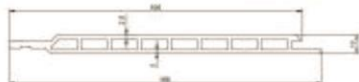
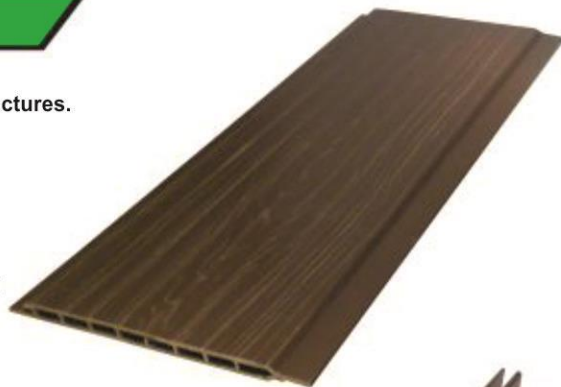
- ▶ Withstands aggressive environmental conditions.
- ▶ Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- ▶ UV-resistant (will not fade) and moisture-proof.
- ▶ Protected against insects, fungi, molds and decay.
- ▶ No substances hazardous to human health are used in production.
- ▶ Easy to fit.

Siding

Width, mm 166
Thickness, mm 10

"L"-trim for panel

Width, mm 50
Thickness, mm 50



Color options:



Versatile floor batten

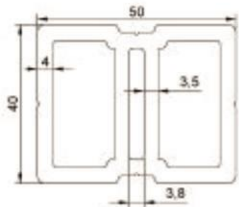
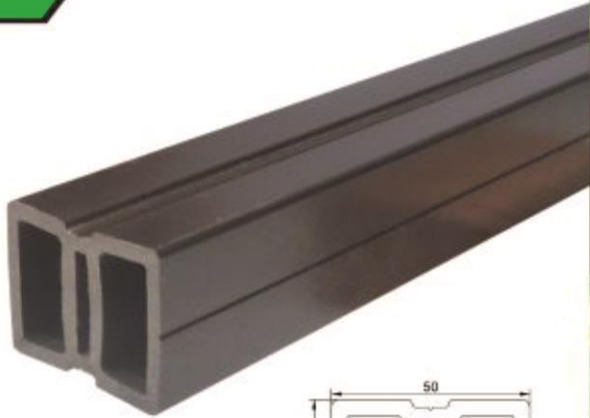
Used as a floor support structure.

Benefits:

- ✔ Withstands aggressive environmental conditions.
- ✔ Highly impermeable to water:
- ✔ Protected against insects, fungi, molds and decay.
- ✔ No substances hazardous to human health are used in production.
- ✔ Easy to fit.

Size 50x40
Weight, kg per meter ... 1.2

Bracing clip for WPC boards



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140x18 hollow butt-joining board

Used as decking for low loads (the recommended batten spacing is 300 mm), and also for decorative refinishing facades, balconies and recessed balconies, arbors, street furniture, fences. Both classical printed and deep-relief designs are available.

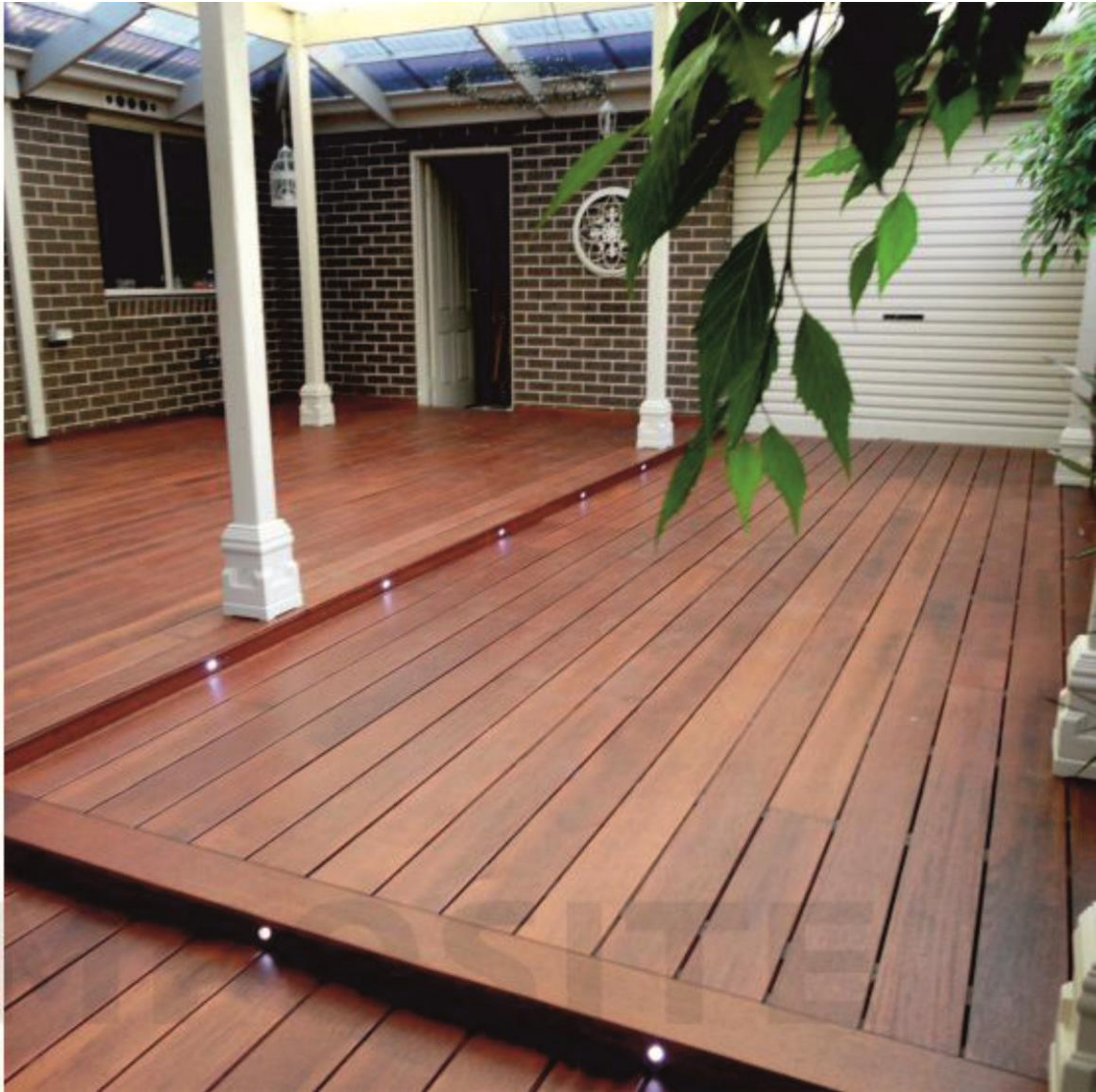
Benefits:

- ▶ Woodgrain embossed surface. "Grainy velvet" backside.
- ▶ Mechanically treated exposed surface to prevent slipping.
- ▶ No shelling, no cracking, no splintering.
- ▶ High strength board.
- ▶ UV-resistive (will not fade) and moisture-proof.
- ▶ Practical in application: dirt and fat splashes can be washed off with soap solution.
- ▶ Life cycle: 10 years plus.

Width, mm140
Thickness, mm 18



Color options:



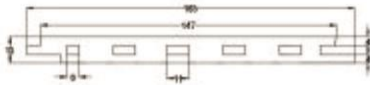
147x13 seamless hollow board

Used as outdoor and indoor decking as well as a decorative finish for façades, balconies and stanzas, arbors, street furniture and fences. Both classical printed and deep-relief designs are available.



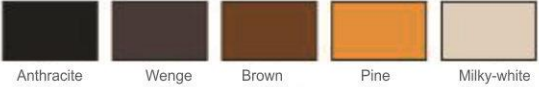
Benefits:

- Withstands aggressive environmental conditions.
- Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- UV-resistant (will not fade) and moisture-proof.
- Protected against insects, fungi, molds and decay.
- No substances hazardous to human health are used in production.
- Easy to fit.



Color options:

Width, mm147
Thickness, mm 13



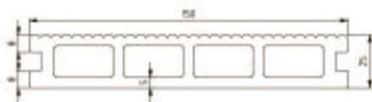
150x25 hollow butt-joining board

This double-sided decking board with superb performance (recommended batten spacing is 400 mm) can be used as well for decorative refinishing facades, balconies and recessed balconies, arbors, street furniture, fences. Both classical printed and deep-relief designs are available.

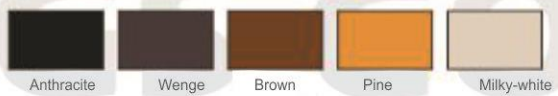
Benefits:

- ▶ Double sided: one side is woodgrain embossed surface, the other side has a velvety texture.
- ▶ Mechanically treated exposed surface to prevent slipping.
- ▶ No peeling, no cracking, no splintering.
- ▶ High-strength board.
- ▶ UV-resistant (will not fade) and moisture-proof.
- ▶ Practical in application: dirt and fat splashes can be washed off with soap solution.
- ▶ Life cycle 10 years plus.

Width, mm150
Thickness, mm 25



Color options:



150x18 hollow butt-joining board

Usable for piers and berths, fishing bridges, ship and boat decks, landscape design, restaurant terraces, decks next to water pools and ponds. Recommended as a high load area coatings. Both classical printed and deep-relief designs are available.z

Benefits:

- Withstands aggressive environmental conditions.
- Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- UV-resistant (will not fade) and moisture-proof.
- Protected against insects, fungi, molds and decay.
- No substances hazardous to human health are used in production.
- Easy to fit.

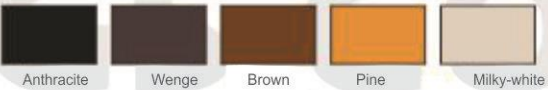
Width, mm150
Thickness, mm 18



Coating with a deep relief.



Color options:



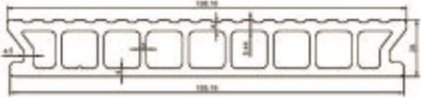
198x28 butt-joining board

Classical butt-joining decking with a “velvet” surface texture for terrace floors, patios, restaurants, children's playgrounds and balconies. High strength and high performance.

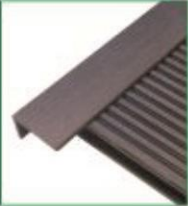
Benefits:

- Withstands aggressive environmental conditions.
- UV-resistant (will not fade) and moisture-proof.
- Single-sided board with wider working side, enabling a reduction in gaps between the boards down to 2 mm.
- Composition: 60% groundwood, 30% bonding agent and about 10% additives (glues, dyes, and other admixtures), etc.
- High strength, up to 450 kg/m2 per 400 mm floor beam step.
- 198 mm wide- – requires less clips, saves construction time.

Width, mm 198.16
Thickness, mm 28



End “L”
piece 50 x 30 mm
Suitable for all kinds of boards.



Color options:



148.4x28 decking

Suitable for large floor areas requiring adequate water runoff capacity.
Compatible with 111x69 corner board enabling versatility for various design applications.
The batten spacing distance should not exceed 400 mm.

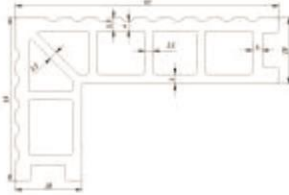
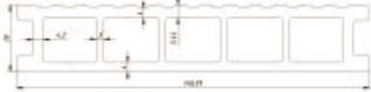
Benefits:

- Withstands aggressive environmental conditions.
- Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- UV-resistant (will not fade) and moisture-proof.
- Protected against insects, fungi, molds and decay.
- No substances hazardous to human health are used in production.
- Easy to fit.

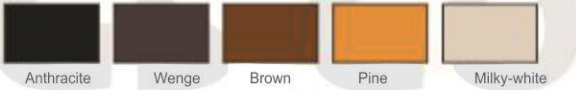
Board

Width, mm148.4
Thickness, mm 28

"L"-piece to a board
Size.....111x69



Color options:



Steps

WPC steps are made of solid board featuring high shock resistance. Can be used for stairway steps, drip moulds, window ledges, poyos and podium facing.

Benefits:

- ▶ Withstands aggressive environmental conditions.
- ▶ Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- ▶ UV-resistant (will not fade) and moisture-proof.
- ▶ Protected against insects, fungi, molds and decay.
- ▶ No substances hazardous to human health are used in production.
- ▶ Easy to fit.



Width, mm 320
Thickness, mm 30

Color options:



Fence

Top rail

Width, mm 80
 Thickness, mm 15

Stair post

Width, mm 51.6
 Thickness, mm 35.8

Hand-rail 1

Width, mm 80
 Thickness, mm 52

Hand-rail 2

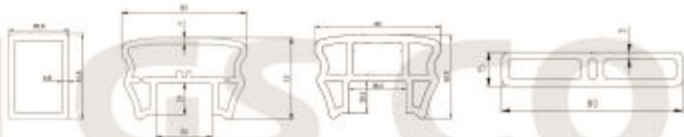
Width, mm 80
 Thickness, mm 52

Plug

Width, mm 43
 Thickness, mm 27

Holder

Width, mm 80
 Thickness, mm 52



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Fence

Post

Width, mm100

Thickness, mm100

Gate post insert

Width, mm100

Thickness, mm100

Fence post

Width, mm100

Thickness, mm100

Post cap (top)

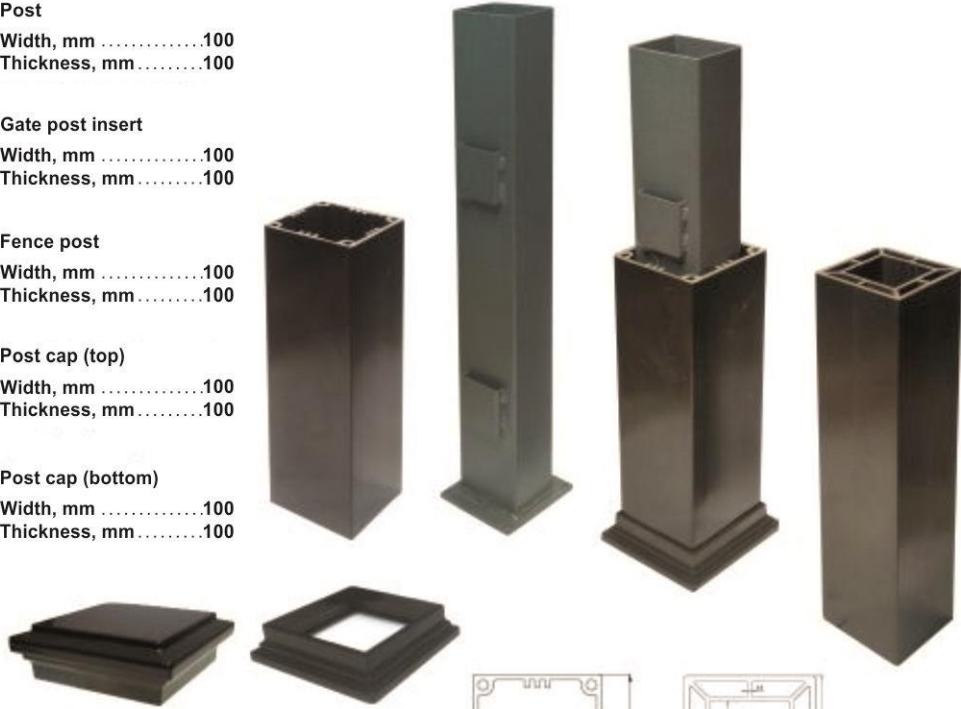
Width, mm100

Thickness, mm100

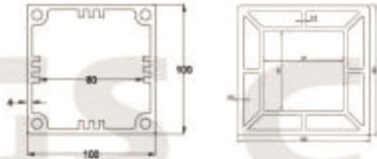
Post cap (bottom)

Width, mm100

Thickness, mm100



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Flowerbox panel

Used for sandboxes, seedbeds, flower beds.

Benefits:

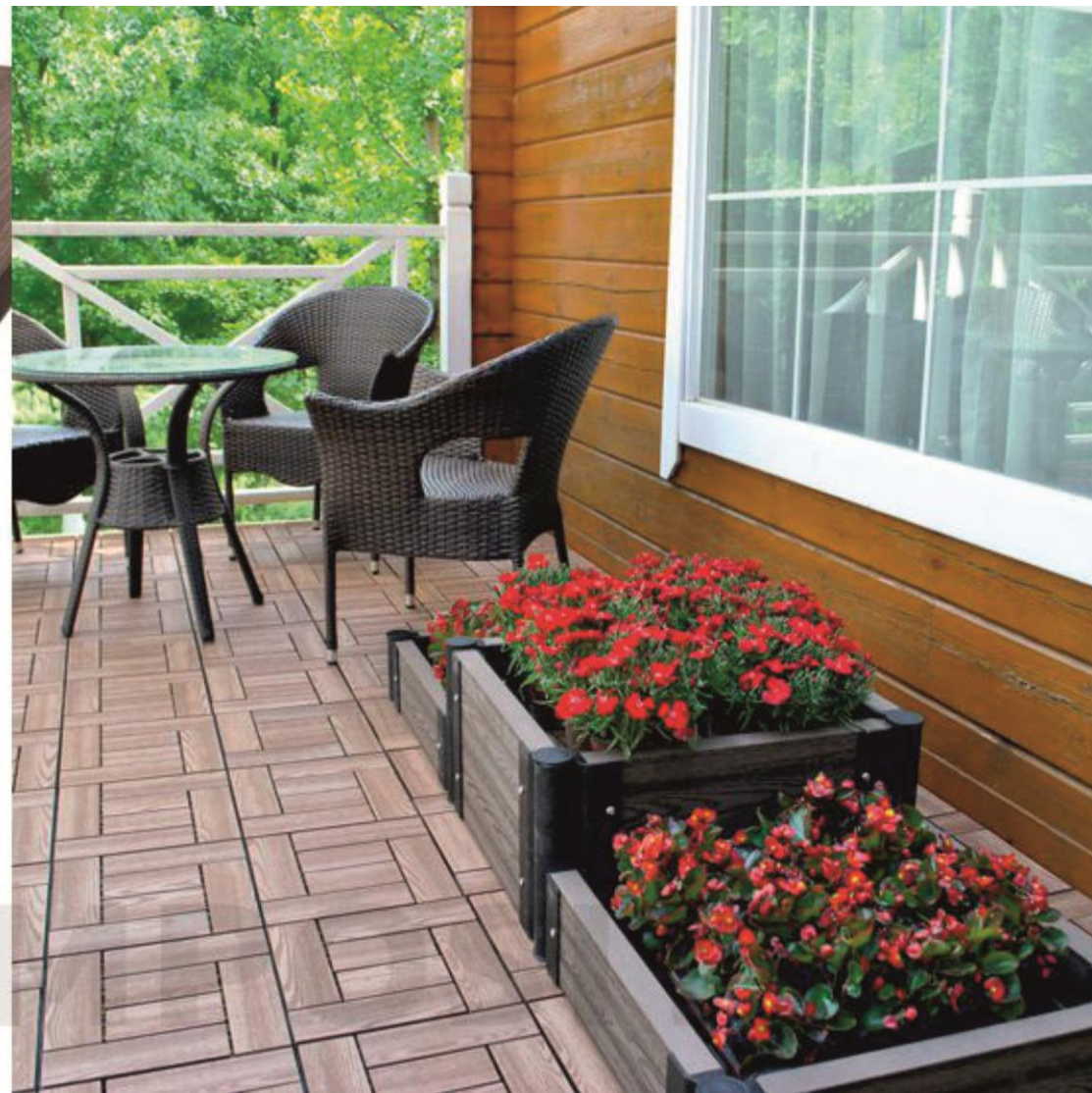
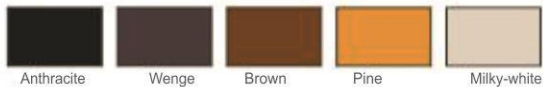
- ✔ Withstands aggressive environmental conditions.
- ✔ Highly impermeable to water: Non-slipping even after rainfall or other contact with water.
- ✔ UV-resistant (will not fade) and moisture-proof. Protected against insects, fungi, molds and decay.
- ✔ No substances hazardous to human health are used in production.
- ✔ Easy to fit.



Width, mm 150

Thickness, mm 25

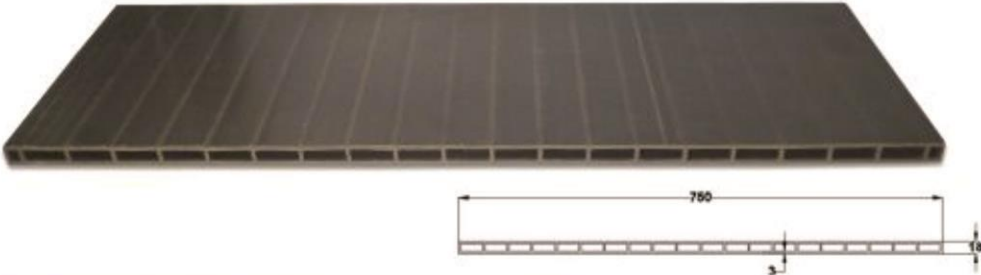
Color options:



750x18 WPC hollow panel

This WPC panel suits a multitude of structural applications.
Might be used as reusable shuttering board.

Width, mm 750
Thickness, mm 18



I-girder

Used as a basic support member in construction.

Width, mm 200
Thickness, mm 80



Flat pallet

Outer dimensions, mm1200x800x160
Dynamic load..... 1000 kg
Static load..... 5000 kg
Lifting loading..... 600 kg
Material Polypropylene (PP)



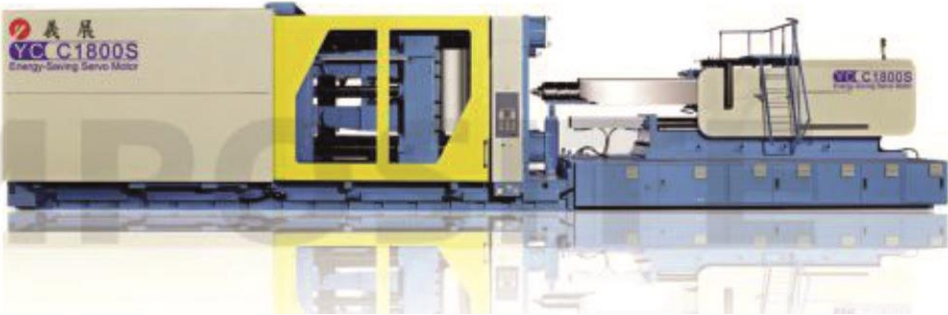
Injection molding

The plant has an extensive fleet of injection molding machines enabling us to produce a wide range of large-dimension injection-molded products.



Year Chance YC-C1800S+2200J injection molding machine:

- Mold clamping force: 1800 tons
- Injection amount: 22 kg
- Column spacing: 1380 x 1580 mm



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