

Introducing
ULTRA SHIELD DECKING

NewTechWood

ECO Systems
DISTRIBUTION LTD



New Tech

Newtech Ultrashield®

UH05 Naturale Composite Decking & Accessories

The Next Generation of Wood Plastic Composite Decking



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DISTRIBUTION LTD

Why Use Ultrashield® ?

UltraShield is a true game changer in the composite decking industry

Conventional Wood Plastic Composites are a thing of the past

UltraShield is a 360°capped Wood Plastic Composite

The core is made from carefully selected recycled materials

FSC Recycled Hardwood and Softwood Fibres

Greater Strength and Durability

UltraShield® Naturale™

Ultra Protection against Water and Stains

UltraShield®

360 degree completely capped



The Shield uses an advanced Polymer

This gives the boards advanced protection against :

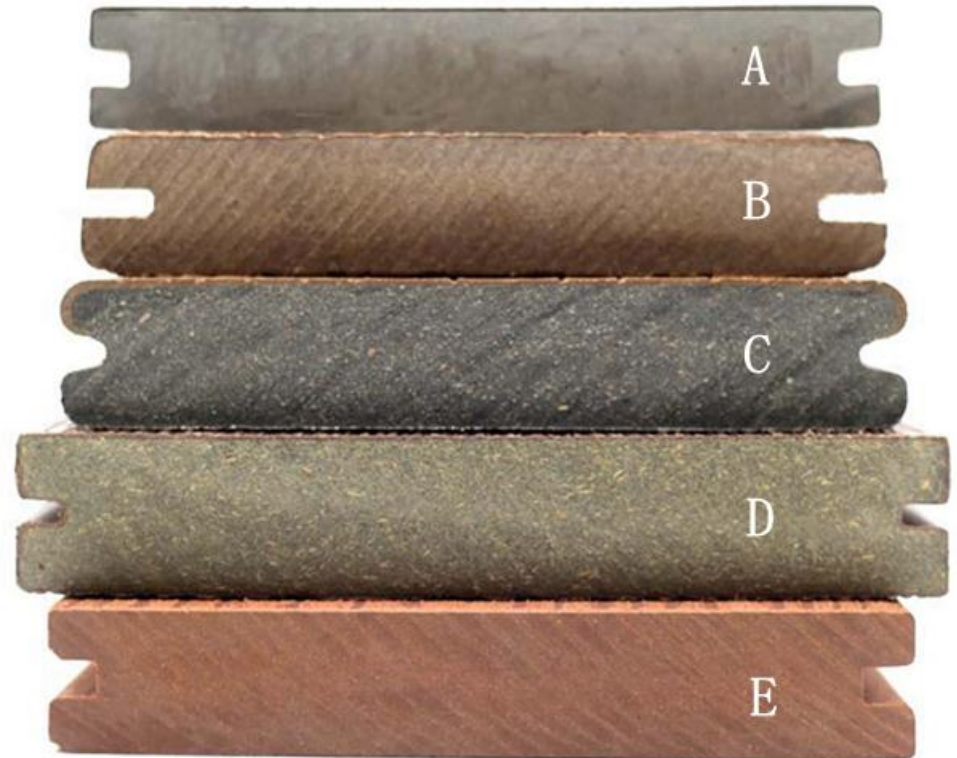
**Stains, Mildew and Mold, Splitting or Cracking,
and Colour Fading**

Back by a 25 Year Manufacturers Warranty

UltraShield® *Naturale*™

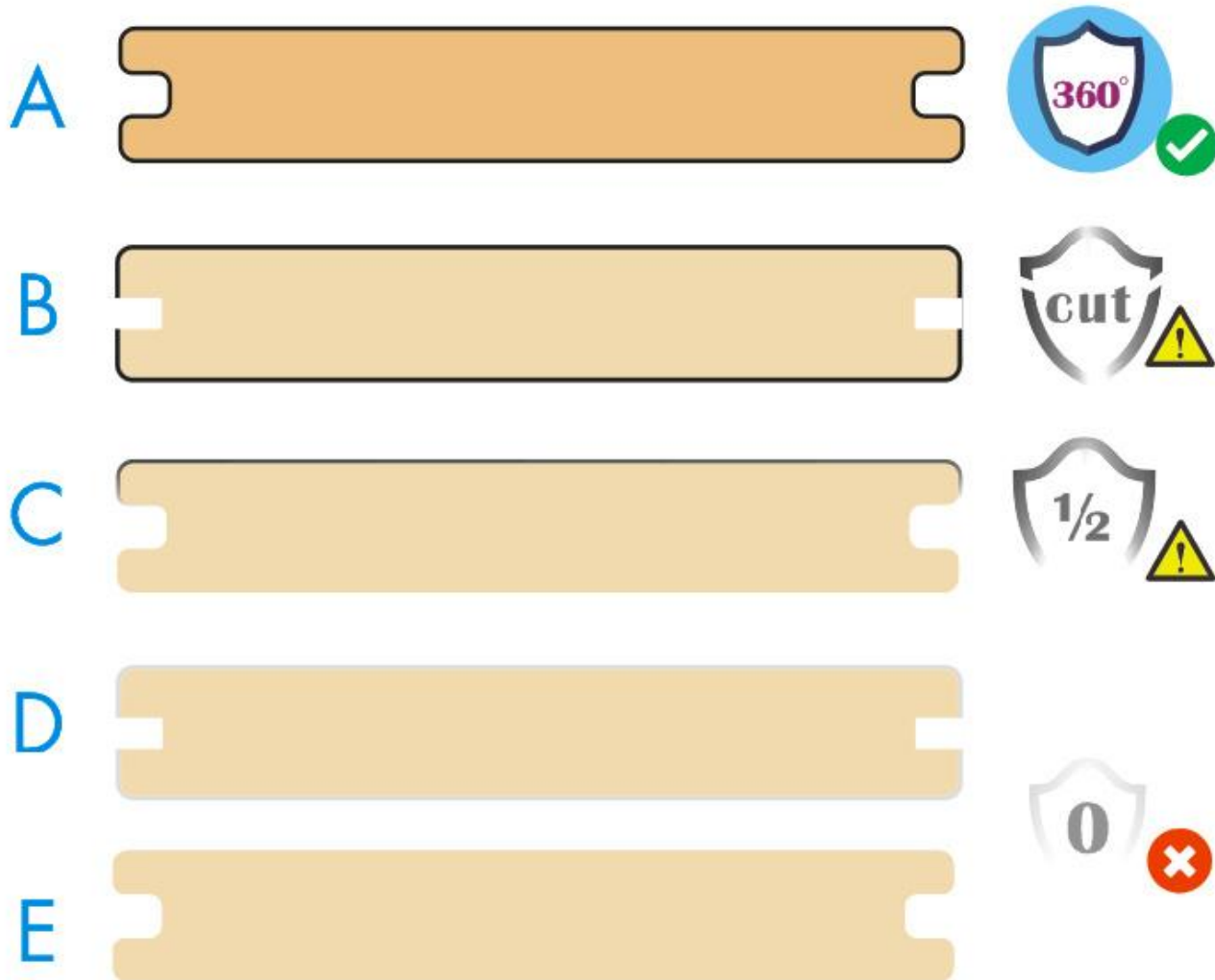
Ultra Protection against Water and Stains

The Five Types of WPC Composite Decking



There are 5 Types of WPC composite currently on the market, and these can be divided into capped and non capped products. Five different types of composite wood can be identified as follows.

The Five Types of WPC Composite Decking



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No Skin

E

Non capped, known as first generation

First Generation (non capped) Composite Wood, has NO capped layer to protect the core.

D

Capped layer contains wood powder

Similarly some capped Composite Wood products contain wood powder in the capped layer, which means the wood powder is still exposed to the harsh environment, and has the same problems as the first generation Composite Wood.

Without a capped layer to protect the core, the wood fibre is exposed to the elements and the surface is damaged by the various harsh weather conditions, exposure to UV, moisture, bacteria, fungus and mold.

Not only does the colour fade, but the structure and composition of the wood fibre suffers from degradation and can even be destroyed.

The Five Types of WPC Composite Decking



Half Skin (Half Capped)

C



Capping the top half of the board does provide a higher resistance to scratches and stains and also gives protection against direct UV from above which helps to maintain the colour over a period of time.

However, because the capped layer (shield) and inner core are made from different materials, they have different expansion and contraction rates, and more significantly the difference in water absorption rates

With a half capped board moisture can still penetrate the core and cause cupping and swelling, as well as cracking to the capped layer.

This is because the core and capping absorb moisture at a different rate and the core then swells faster than the shield.

The Five Types of WPC Composite Decking



Cut Skin (Cut Shield)

B

Groove was cut out, not completely capped

Some boards have an uncapped groove, by cutting out the groove on both sides of the board.

With an Uncapped groove, the moisture can still penetrate the core from the groove along the entire board, and therefore the swelling, cupping and cracking problems are still possible, also during the groove cutting, there is a risk that the capped layer could be damaged.

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Complete Skin (Full Shield)



UltraShield® Advanced Capped Composite

Has a strong and durable polymer shield around the core 360° degrees.

The Core is made from FSC Wood Fibres, PE Polymers and additives.

The Shield is made from a special engineering grade Polymer with extremely low water penetration.

With a complete Shield this prevents moisture penetration inside the core, avoiding the problems like, Rot, Splitting and Cracking, Fungus and Mold.

This makes the Decking more Durable with a longer life span to keep your family members healthy & safe. And because of its strong and tough Shield, it gives maximum protection against Stains, Scratches, and fading and will maintain a beautiful look for years to come with very low maintenance, saving customers time and money in the long run.

Ultrashield®

UltraShield is available in 3 Colours, Grey, Teak and Walnut

The boards come in 2.2m Lengths which are 145mm Wide

Accessories Available

Matching Fascia Boards and End Caps

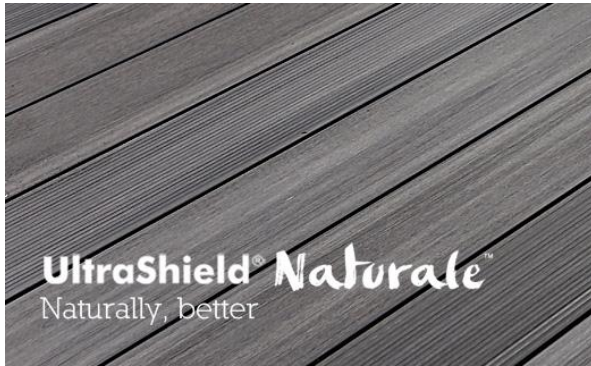
Hidden Clip System (including screws)

Anti Warp Clips

UltraShield® Naturale™

Ultra Protection against Water and Stains

Ultrashield®



UH05 Grey



UH05 Walnut



UH05 Teak

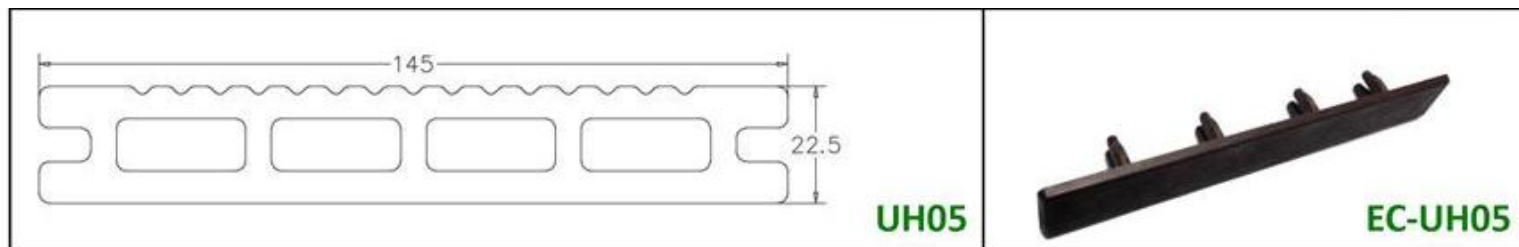
| Decking Clips | Locking Clip  | CEC Clip  | |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <p>T Clip System</p> <ul style="list-style-type: none"> • Economical • Easy installation • 6.0 mm gap |  <p>TC-1 (Stainless Steel)</p> |  <p>TC-2 (TPO Polymer)</p> |  <p>8.0-8.5mm</p> |

Ultrashield®

UM02 FASCIA



END CAPS



Ultrashield®

**10 Week Lead Time for 50,000 Pcs
(if ordered before 1st October 2015)**

Delivery to UK from China (FOB)

UltraShield® Naturale™

Ultra Protection against Water and Stains