

RYNO[®] WOOD-TEC

Natural appearance,
engineered performance



Pineapple



The psychological and physiological benefits of natural materials have been explored in studies which have found links to a reduction in stress hormones¹.

However in healthcare environments, wood can present practical challenges. Its porous nature means that fluids can be absorbed into the surface, creating a potential infection control risk and compromising the strength and durability of the material.

While outer coatings can mitigate this risk, regular cleaning with disinfectants can cause damage to these surfaces, causing them to crack and break down over time.

To address these challenges, we developed our patent-pending Wood-Tec range - a line of products which thoughtfully combine the natural aesthetics of wood with the practical performance of our award-winning Ryno® range.

Wood-Tec's tactile 3D grain is an organic texture which mimics the tactile appeal of natural wood, while the underlying polymer construction provides strength, resilience and ease of maintenance.

Like all Ryno® products, Wood-Tec items are 100% waterproof, have excellent hygiene properties and can be regularly cleaned without causing damage, making them a practical solution for healthcare environments.

1. Ohta H, Maruyama M, Tanabe Y, Hara T, Nishino Y, Tsujino Y, Morita E, Kobayashi S, Shido O (2008) Effects of redecoration of a hospital isolation room with natural materials on stress levels of denizens in cold season. Int J Biometeorol 52:331-340

Natural appearance, engineered performance

Wood-Tec products are 100% water-resistant, making them unaffected by exposure to moisture, protecting them from spillages and regular cleaning.

As well as being bleach cleanable, Wood-Tec contains an inhibitor which prevents microbial growth, giving them excellent infection control properties.

100% Waterproof



With a non-porous material like Wood-Tec, keeping products clean is simple - just wipe with warm, soapy water, with no risk of damage.

Unlike natural wood, Wood-Tec doesn't need re-sealing or lacquer to maintain its water resistance.

Low Maintenance



Lifetime Value



Item purchased

Ryno® products are protected by a lifetime guarantee against manufacturing faults. Their durability and water-resistance means that they can be expected to last many more years than the traditionally constructed alternatives.



Item purchased



Accidental or deliberate damage creates safety or infection control risks



Item replaced



Regular cleaning or an instance of flooding causes water damage



Item replaced

Wood-Tec products are rotationally moulded from durable polyethylene, providing excellent impact resistance.

Unlike more brittle materials, Wood-Tec's slight flexibility allows stresses to be absorbed and dissipated, and there are no joints which could otherwise be a point of weakness.

The durable surface can be exposed to heavy use and repeated disinfection cleaning without risk of the surface breaking down.



Extreme Durability

Biophilic Design



Biophilic design aims to enhance the human connection between nature and the built environment, and in healthcare environments there is evidence to link exposure to views of nature with improved shorter post-operative stays¹.

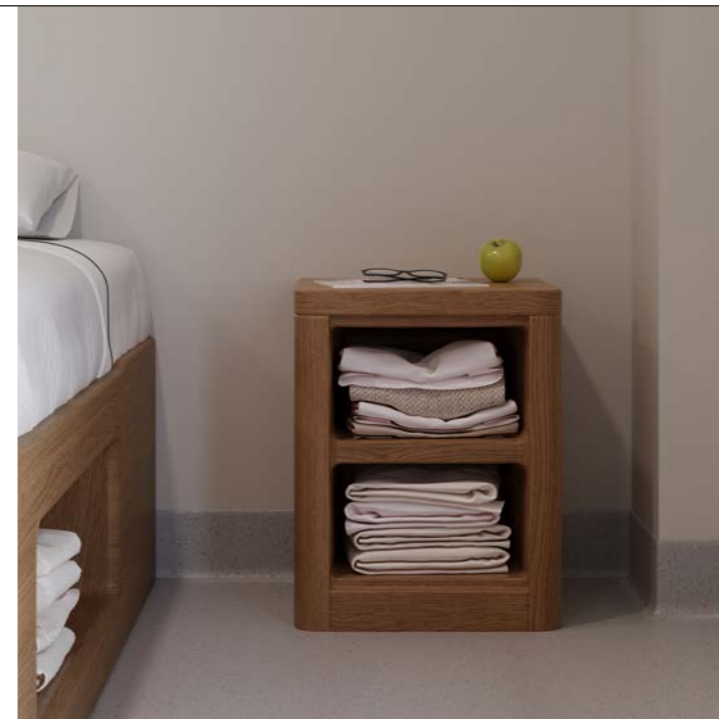
In challenging environments where it may not be practical or safe to bring natural materials into patient rooms, “natural analogues” can be used in their place - patterns and textures inspired by nature.

1. Ulrich RS. View through a window may influence recovery from surgery. *Science*. 1984 Apr 27;224(4647):420-1. doi: 10.1126/science.6143402. PMID: 6143402.

Our development team undertook an extensive series of design iterations to perfect the 3D grain, carefully refining the texture until it achieved a convincingly natural appearance while retaining a practical, cleanable surface.








Guided by research indicating that knots can pose a risk of pareidolia-driven distress (where patterns may be perceived as faces) we made the considered decision to remove them from the design.

The result is a hand-finished, distinctive texture that captures the warmth and character of real wood, while avoiding its potential drawbacks.



Hand-finished Texture

Purpose-built for calmer, safer spaces

	Wood-based products  		Wood-based products 
<h3>Durability</h3>  <p>✗ Material strength Real wood's strength comes from long fibres which form "the grain". But this strength is generally in one direction - parallel to the grain, and is weaker in the other direction.</p> <p>Composite wood (MFC/chipboard) does not have a grain, which means it does not have as much strength as wood along its length.</p> <p>✗ Joints Joints are a both a point of weakness and an infection risk, as fluid can be absorbed.</p>	<p>✓ Material strength Wood-Tec is rotationally moulded from durable polyethylene, giving it excellent impact resistance.</p> <p>Unlike more brittle materials, the slight flexibility allows stresses to be absorbed and dissipated, and doesn't have a weaker direction.</p> <p>It can handle repeated heavy use without surface breakdown.</p> <p>✓ Joints Ryno® products are moulded from a single piece of material, with no joints, providing long-term durability.</p>	<h3>Safety</h3>  <p>✗ Ligature risks Real wood's strength comes from l</p> <p>✗ Sharp edges Real wood's strength comes from long fibres which form "the grain". But this strength is generally in one direction - parallel to the grain, and is weaker in the other direction.</p>	<p>✓ Reduced ligature Without doors or joints, Wood-Tec products are carefully designed to minimise ligature risks, protecting people from harm.</p> <p>✓ Rounded edges In the event of a fall, rounded edges protect patients and staff from harm.</p>
<h3>Moisture, hygiene & infection control</h3>  <p>✗ Moisture Most types of wood absorb moisture which can cause swelling, warping and rot. MFC is particularly vulnerable to water damage due to its open core texture.</p> <p>✗ Hygiene The porous nature of these products can pose hygiene risks where bodily fluids are involved, and once breached, they cannot be thoroughly cleaned.</p> <p>The use of cleaning fluids themselves may also cause a deterioration in the surface.</p> <p>Wood fibres provide a nutrient source for bacteria and fungi to thrive in moist environments.</p>	<p>✓ Moisture Wood-Tec products are 100% water-resistant, making them totally unaffected by exposure to moisture.</p> <p>✓ Hygiene As well as being bleach cleanable, the Wood-Tec material contains an inhibitor which prevents microbial growth.</p>	<h3>Lifetime value</h3>  <p>✗ Replacement costs While wood-based products can have a lower purchase price, damage caused by misuse or water can result in a number of replacements over the course of 5 years, resulting in a higher total cost.</p>	<p>✓ Lifetime guarantee Wood-Tec products are protected by a lifetime guarantee against manufacturing faults, representing real long-term value when compared to less durable products.</p>
		<h3>Maintenance</h3>  <p>✗ Re-application Real wood's water resistance can be improved by the application of coatings which fill porous voids and prevents moisture ingress. However these coatings can crack over time, due to frequent cleaning or exposure to UV light, requiring removal and re-application.</p>	<p>✓ Maintenance Wood-Tec products require no re-sealing or lacquer to keep them water-resistant.</p>

Oak



Oak presents a classic, light-toned wood finish with a convincingly natural grain that enhances both visual appeal and tactile warmth.

Its familiar character supports a strong connection to nature, helping to create a welcoming and reassuring environment.

The lighter colour reflects light effectively, contributing to a sense of openness and calm within a space. This finish brings a fresh, uplifting atmosphere that feels both timeless and comfortable.



Walnut



Walnut delivers a rich, deep brown finish with a detailed and convincing wood grain that enhances its tactile quality.

The darker tone strengthens the sense of warmth and connection to natural materials, helping to create a more grounded and comforting environment.

Its depth of colour adds a feeling of cosiness and enclosure, making it ideal for spaces where a more intimate and reassuring atmosphere is preferred.

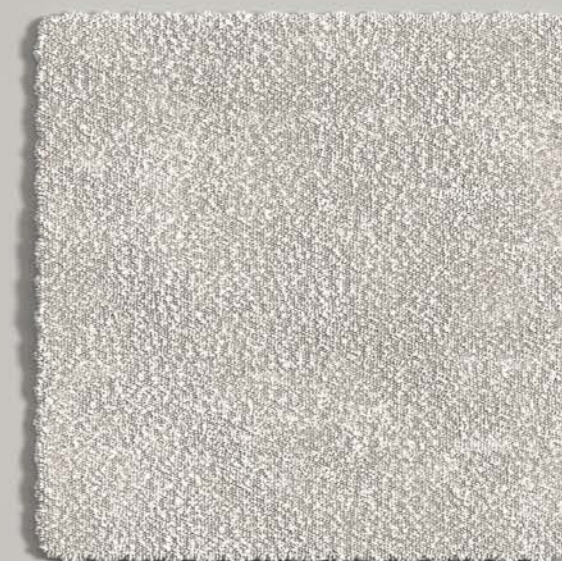


Silver Oak



Silver Oak features a soft grey tone combined with a highly realistic wood grain, offering a tactile surface that feels warm despite its cooler colouring.

The subtle, contemporary finish maintains a natural look while creating a more balanced and understated atmosphere. Its gentle tones help foster a sense of calm and composure, making it well suited to spaces where a quieter, more neutral environment is desired.





RYNO[®] WOOD-TEC BEDSIDE









Open Bedside
Oak
595H | 450W | 450D (mm)



Open Bedside
Walnut
595H | 450W | 450D (mm)



Open Bedside
Silver Oak
595H | 450W | 450D (mm)

-  Lifetime guarantee
-  Weighted to deter misuse
-  Fire retardant
-  100% LDPE
-  100% Waterproof
-  Floor fixed option

KEY FEATURES	OPTIONS
<ul style="list-style-type: none"> → Organic wood grain texture mimics the tactile appeal of natural wood → Polymer construction provides strength, resilience and ease of maintenance → 100% waterproof, with hygienic wipe-clean surface → Made from 100% recyclable material → One-piece design cannot be disassembled or weaponised → Strength and stability tested for severe contract use 	<ul style="list-style-type: none"> → Hidden floor/wall fixing solutions <p><i>One-piece design cannot be disassembled or weaponised</i></p>





RYNO[®] WOOD-TEC BED









Bed with storage in Oak
1RYA-400-WTO
425H | 2005L | 998W (mm)



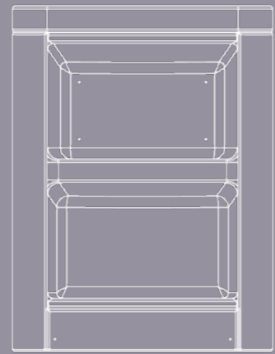
Bed with storage in Walnut
1RYA-400-WTW
425H | 2005L | 998W (mm)



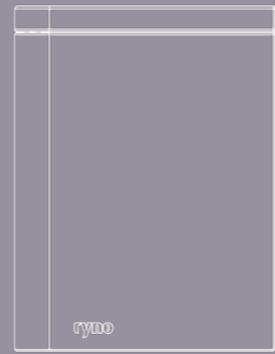
Bed with storage in Silver Oak
1RYA-400-WTS
425H | 2005L | 998W (mm)

-  Lifetime guarantee
-  Weighted to deter misuse
-  Fire retardant
-  100% LDPE
-  100% Waterproof
-  Floor fixed option

KEY FEATURES	OPTIONS
<ul style="list-style-type: none"> → Organic wood grain texture mimics the tactile appeal of natural wood → Polymer construction provides strength, resilience and ease of maintenance → 100% waterproof, with hygienic wipe-clean surface → Made from 100% recyclable material → One-piece design cannot be disassembled or weaponised → Strength and stability tested for severe contract use 	<ul style="list-style-type: none"> → Available with or without storage → Hidden floor fixing solution <p><i>100% waterproof construction is hygienic and easy to clean</i></p>

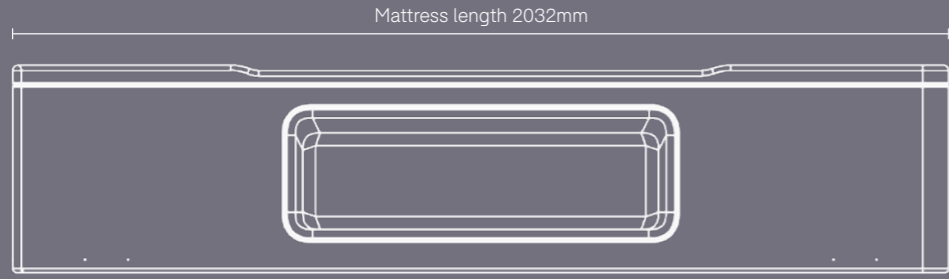


450mm



450mm

595mm



Mattress length 2032mm

2168mm



Mattress width 915mm

980mm

480mm

See for yourself...

To arrange a demonstration or book a visit to our showroom, please call +44 (0)1622 237830

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