



MATTRESS CATALOGUE



OUR MISSION

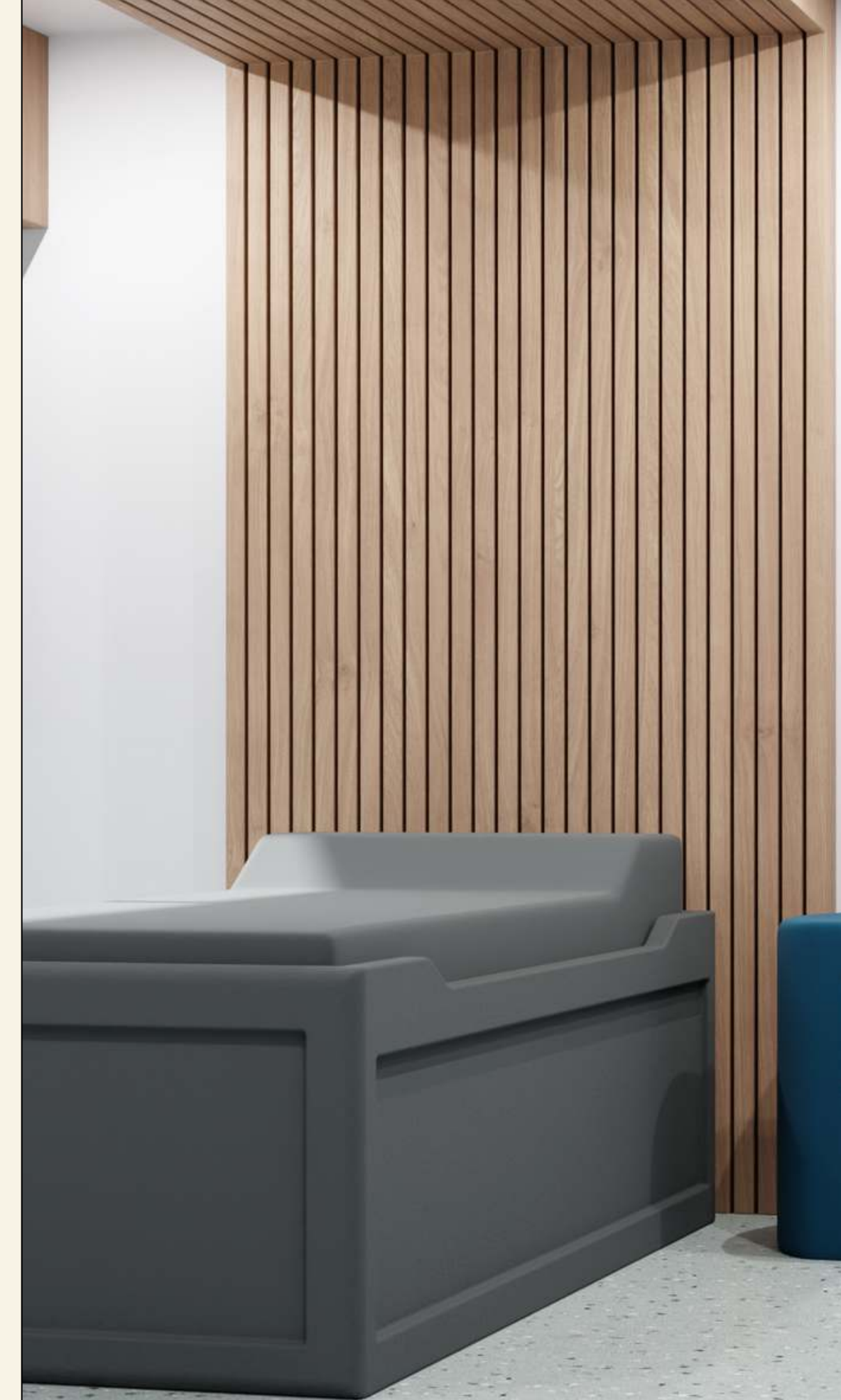
**CREATING SAFE AND HARMONIOUS ENVIRONMENTS
THROUGH EXTRAORDINARY INNOVATION**



ARE YOU SURE YOUR MATTRESS IS SAFE?

At Abecca we specialise in creating purpose-built solutions for the mental health, youth justice, and correctional & custodial sectors. Industries where durability, safety, and functionality are essential. As direct manufacturers, we stay closely connected to the needs of our clients, ensuring every piece we produce is designed to perform and built to last.

We offer three specialised anti-ligature mattress ranges, all made from medical-grade, antibacterial-treated materials to support hygiene, safety, and long-term performance in demanding environments.



ABBECA VALUES

A strong, reliable
organisation built upon :

INNOVATION

WE CHALLENGE THE STATUS QUO
EVERYTIME



LOYALTY

WE TRUST AND SUPPORT EACH
OTHER IN ACHIEVING OUR GOALS

PASSION

WE BELIEVE IN OUR PRODUCTS AND
WILL NOT SACRIFICE ON QUALITY

CARE

WE GENUINELY CARE FOR OUR
CUSTOMERS, SUPPLIERS AND STAFF
ALIKE



INTEGRITY

WE STAND BY OUR WORD AND
EVERY COMMITMENT

OUR STORY

Abecca’s experience with textiles first started in 1952, when Mr David Beatson, returned from World War II and started a new life supplying and repairing cow covers using canvas fabric.

Fast forward 70+ years and the same Beatson family now proudly hold the title of the Worlds Safest Furniture manufacturer. With the 4th generation actively involved, we are family owned through and through.

Designers, innovators and manufacturers of the Worlds Safest Furniture best describes Abecca in a few words. Our client first philosophy and manufacturing capability means the finest detail on every safe furniture solution is because of feedback from clients like you. Being the manufacturer gives us and you such an advantage, where even a minor change to a product is absolutely no issue to Abecca.



Hamish Beatson

Joseph Beatson

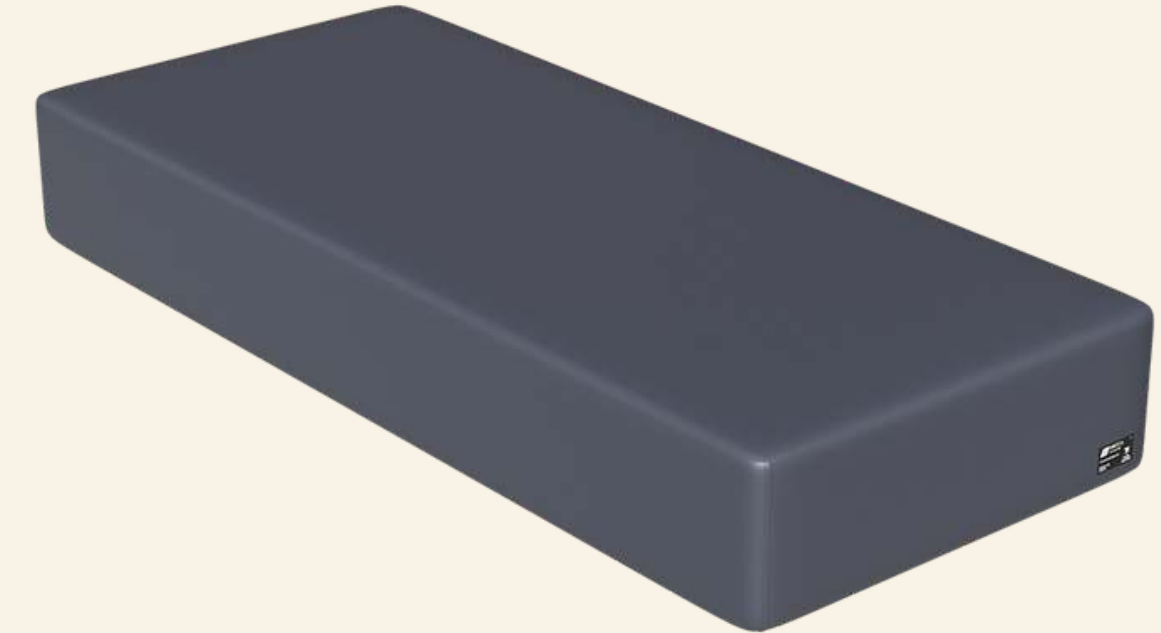
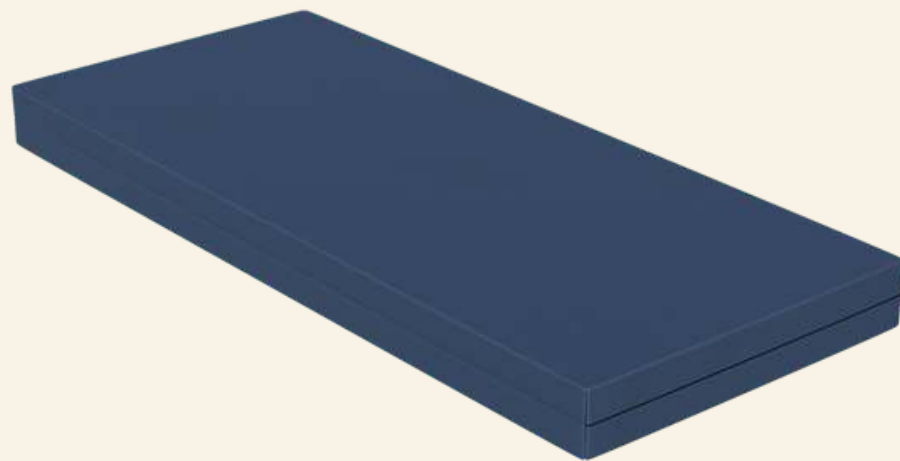
FOUNDERS

TOTARA MATTRESSES

Designed for medium-risk settings.

Though not as heavy-duty as our high-risk line, they still provide excellent safety and hygiene at a more cost-effective level using hospital grade fabric and foam.

- Breathable Polyurethane, fire-retardant cover with welded seams complying with BS 7177: 2008 + A1: 2011 (Crib 7)
- Water-resistant zip with slider removed and reinforced closures to prevent hidden contraband
- Tamper resistance 4-way-turn mattress to maximise its life span
- Commercial grade fire retardant foam
- Soft and comfortable with oetex approved fabric for safe contact with skin assisting with pressure relief
- Streamline design assisting with cleaning and infection control



KAURI MATTRESSES

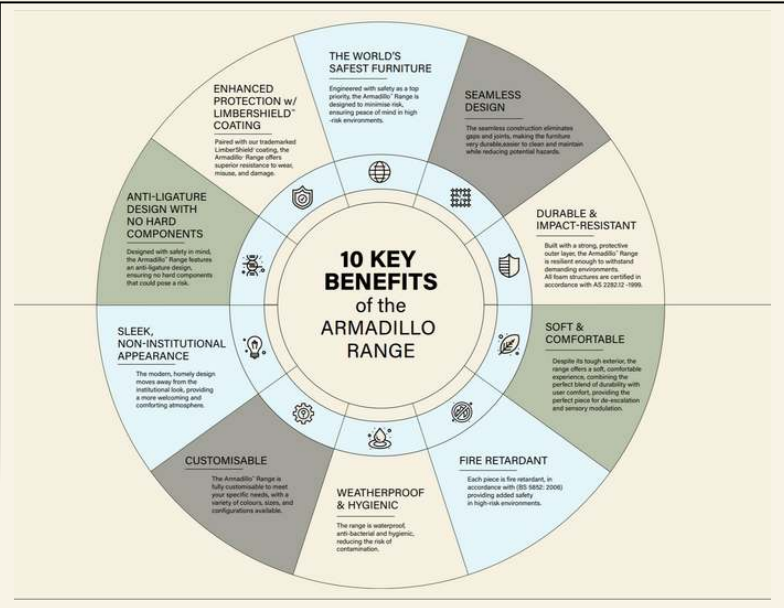
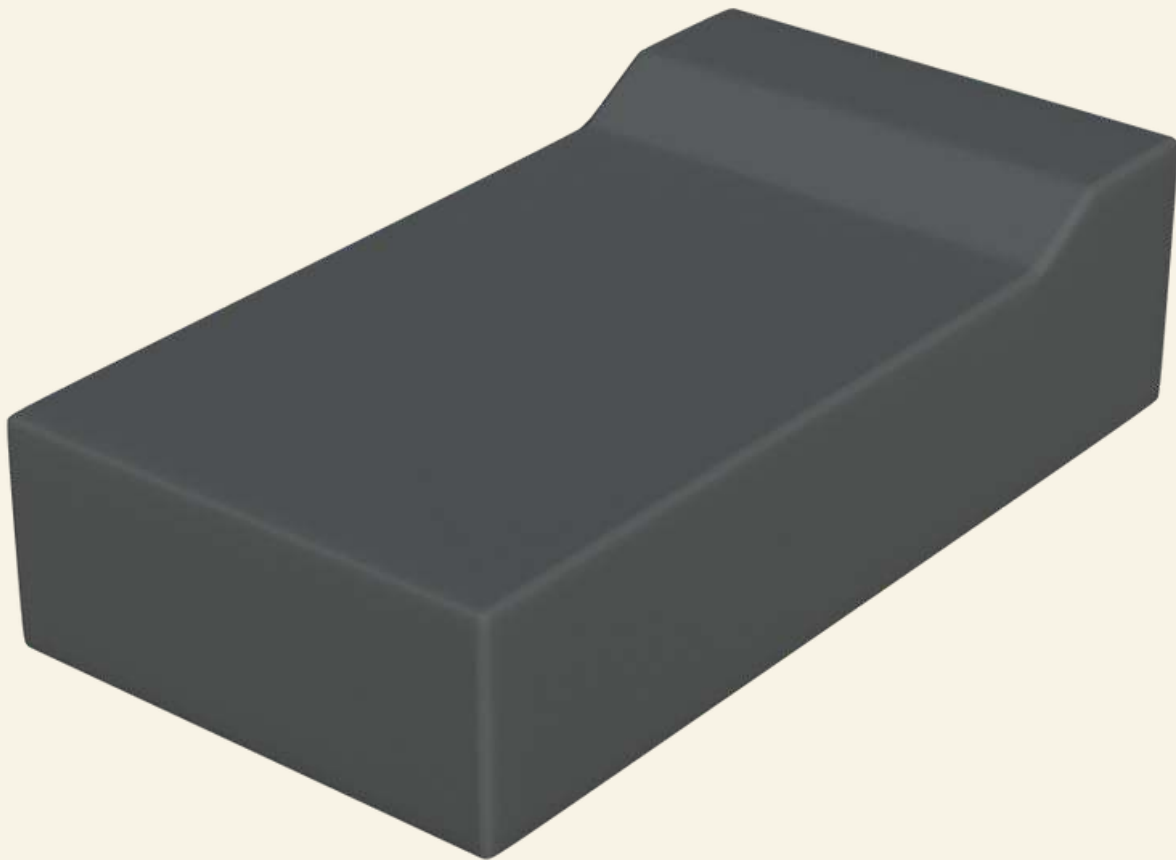
Engineered for high-risk environments, the Kauri range features fully welded seams reinforced with top-stitching, a 600n tear-resistant cover, and Crib 7 fire retardancy. Available with an inbuilt pillow or in extra-deep formats for direct floor use.

Our Kauri Mattress provides a safe, hygienic and comfortable sleeping environment for high security situations. Made with a super durable PVC fabric, these Kauri mattresses have no external zips or openings, minimising the risk of self-harm. With very minimal seams this mattress has trialed and is proven in Mental Health and Prison environments. The ultimate correctional mattress.

- Breathable Polyurethane, fire-retardant cover with welded seams complying with BS 7177: 2008 + A1: 2011 (Crib 7)
- Hospital grade fabric and foam

ARMADILLO™ MATTRESSES

The ultimate in durability and safety. Designed for the most high-risk environments, the Armadillo™ range features a seamless, direct-applied outer, eliminating tampering points while maximising strength. Soft yet incredibly tough, it's fully Crib 7 fire-retardant and ideal for floor-level use in intensive care settings.



Durable & Anti-Ligature– Built to withstand high-use environments, these mattresses are engineered for exceptional durability and long-term performance. Designed with no sharp edges, ensuring a safer, ligature-resistant structure ideal for high-risk settings.

Waterproof & Hygienic – Featuring our trademarked LimberShield™ technology, the waterproof surface makes cleaning effortless while offering superior protection against moisture and maintaining hygiene.

BS7177 Crib 7 Fire Retardant – Complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

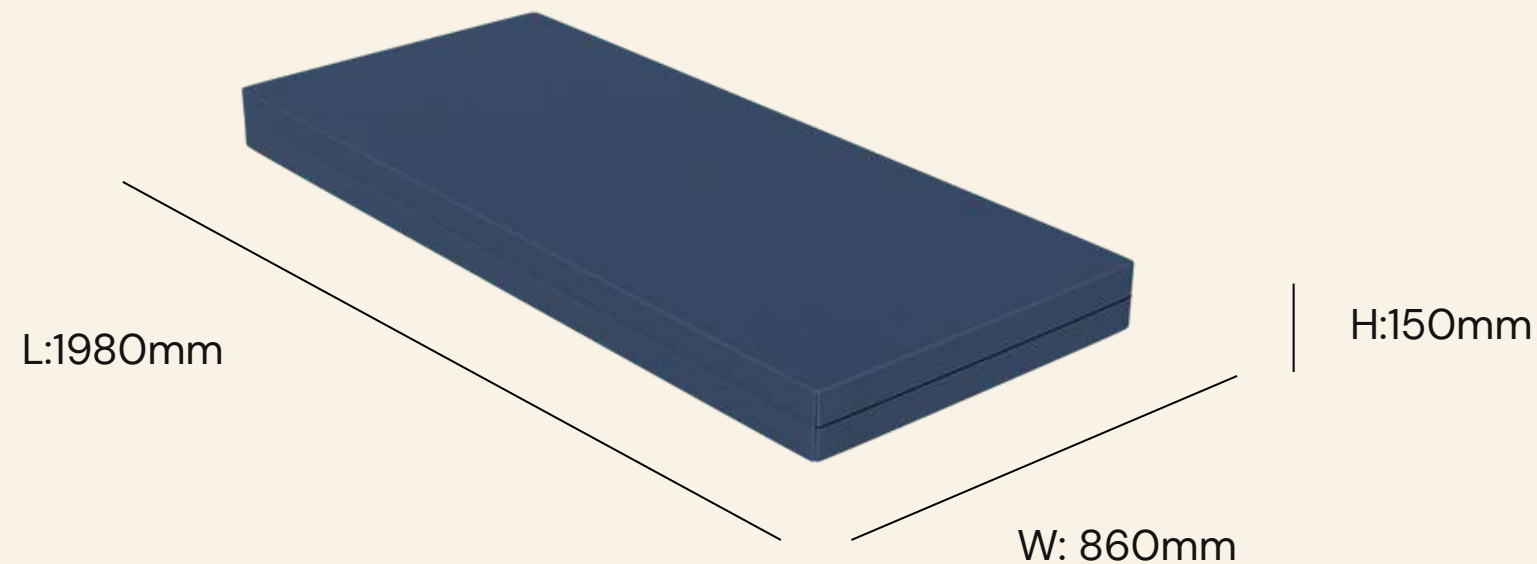
Comfortable Support – Provides consistent comfort and support, offering a secure, restful experience for users.

Easy Maintenance – Thanks to the seamless design and LimberShield™ coating, these mattresses are easy to clean and maintain, reducing upkeep time.

TOTARA MATTRESSES

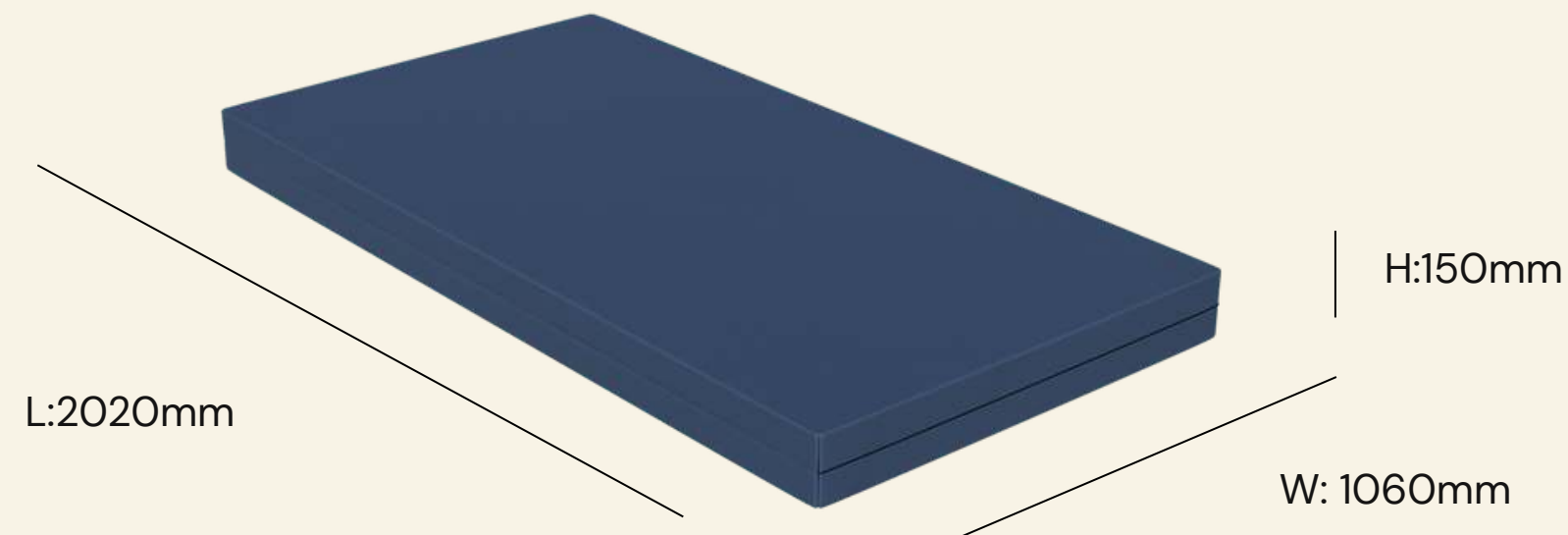


Totara Mattress 150



ORDER CODE : MHT01

WEIGHT: 10kg



ORDER CODE : MHT01W

WEIGHT: 13kg

Commercial grade – fire retardant foam

Fire Retardant – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)

Tamper Resistant – 4-way-turn mattress to maximise its life span

Water resistant– zip with slider removed and reinforced closure to prevent the hiding of contraband.

Streamline – design assisting with cleanability and infection control.

Anti-Ligature – mattress for high-risk areas.

High frequency – welded seams reinforced with stitching for extra durability.



Safe



Waterproof



Fire Retardant



Anti-bacterial



Washable



Soft

Totara Pillow



ORDER CODE : MHP01 WEIGHT: 4kg

- Breathable Polyurethane** – fire-retardant cover with welded seams complying with BS 7177:2008
- Hospital Grade** – fabric and foam.
- Water-resistant** zip with slider removed and reinforced closures to prevent hidden contraband.
- Comfortable** – malleable filling of foam chips 48 litres
- Antibacterial** – anti-fungal and easy to clean
- Soft and Comfortable** – with oetex approved fabric for safe contact with skin, assisting with pressure relief.
- Streamline** – design assisting with cleanability and infection control.



Safe



Waterproof



Fire Retardant



Anti-bacterial



Washable

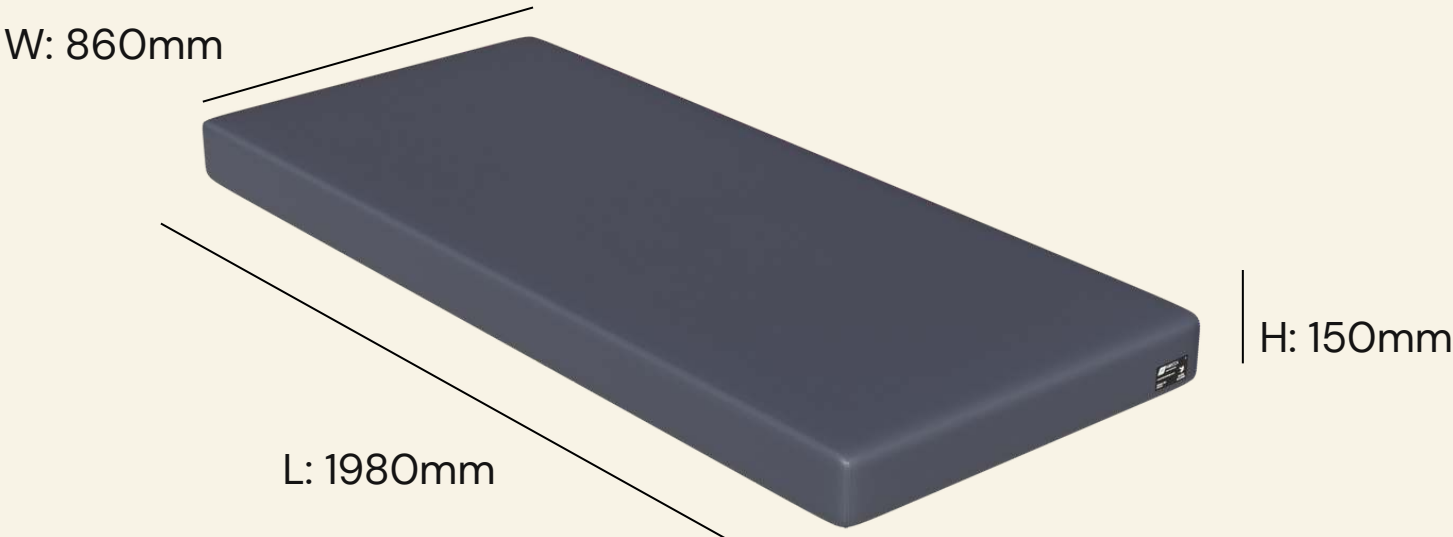


Soft

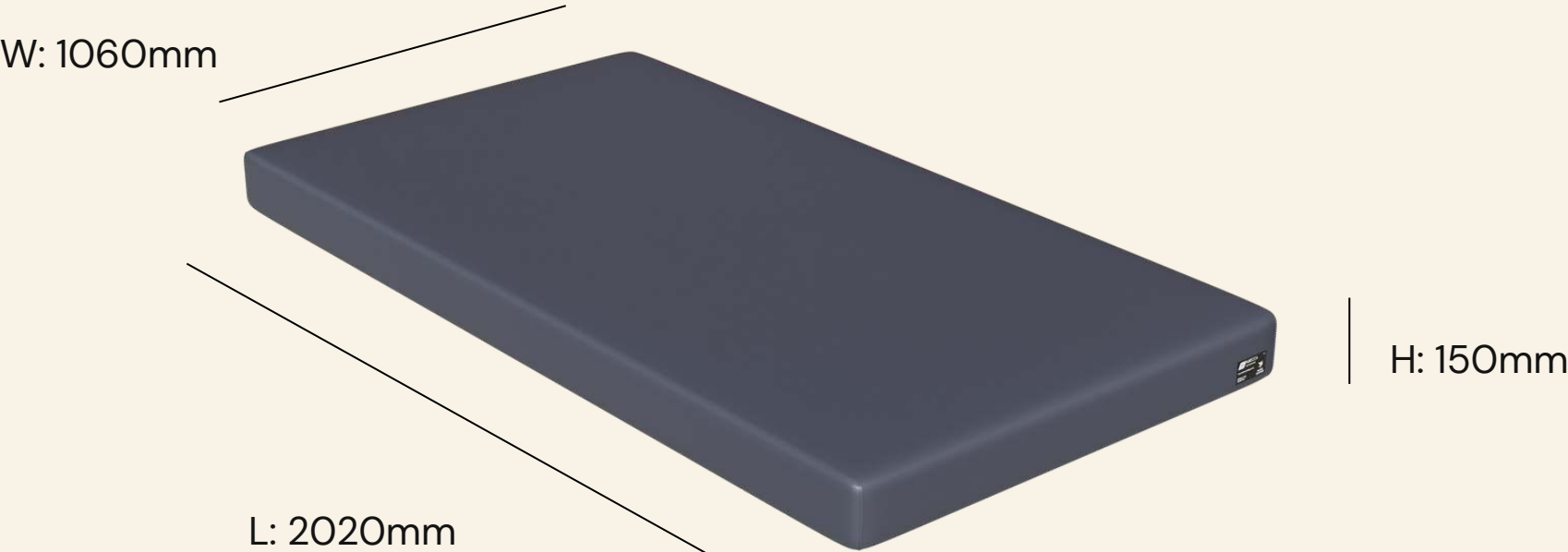
KAURI MATTRESSES



Kauri Mattress 150



ORDER CODE : MHK01 WEIGHT: 12kg



ORDER CODE : MHK01W WEIGHT: 15kg

- European Commercial** – medical grade / PVC fabric with 600N tear resistance.
- Fire Retardant** – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)
- Fully Sealed** – tamper, tear and slash resistance cover reducing the risk of self harm.
- Waterproof**– no openings to prevent the hiding of contraband.
- Streamline** – cover design with very few seams.
- Anti-Ligature** – mattress for high-risk areas.
- High frequency** – welded seams reinforced with stitching for extra durability.



Safe



Waterproof



Fire Retardant



Anti-bacterial

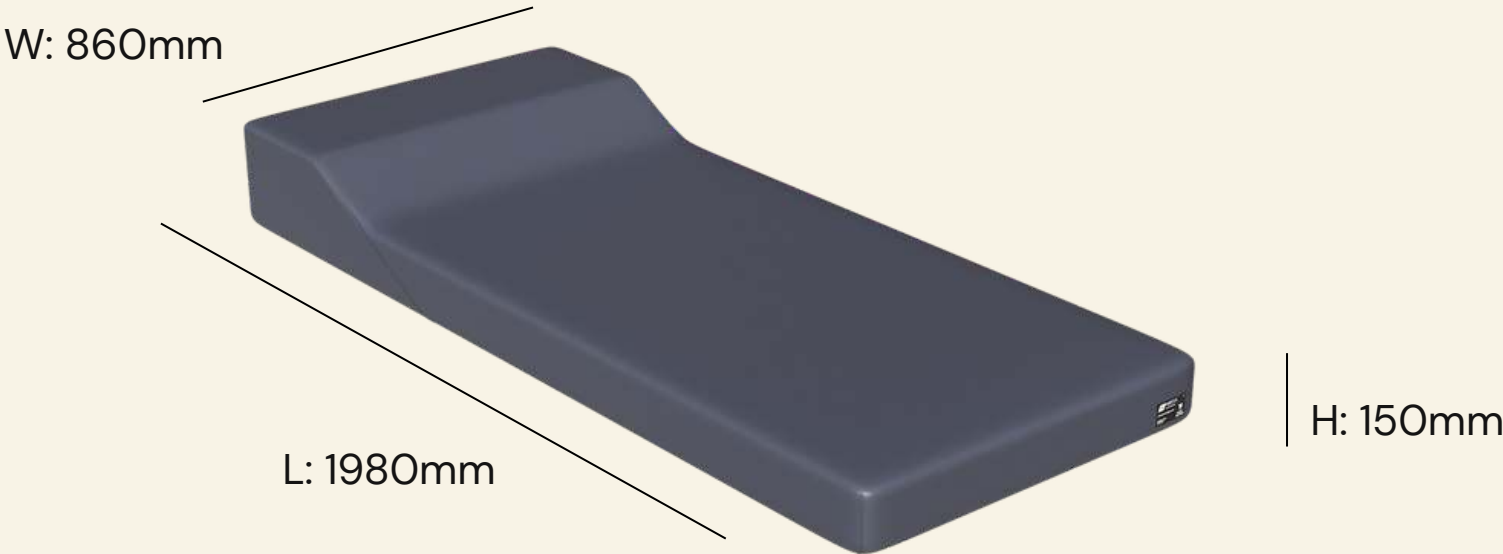


Washable

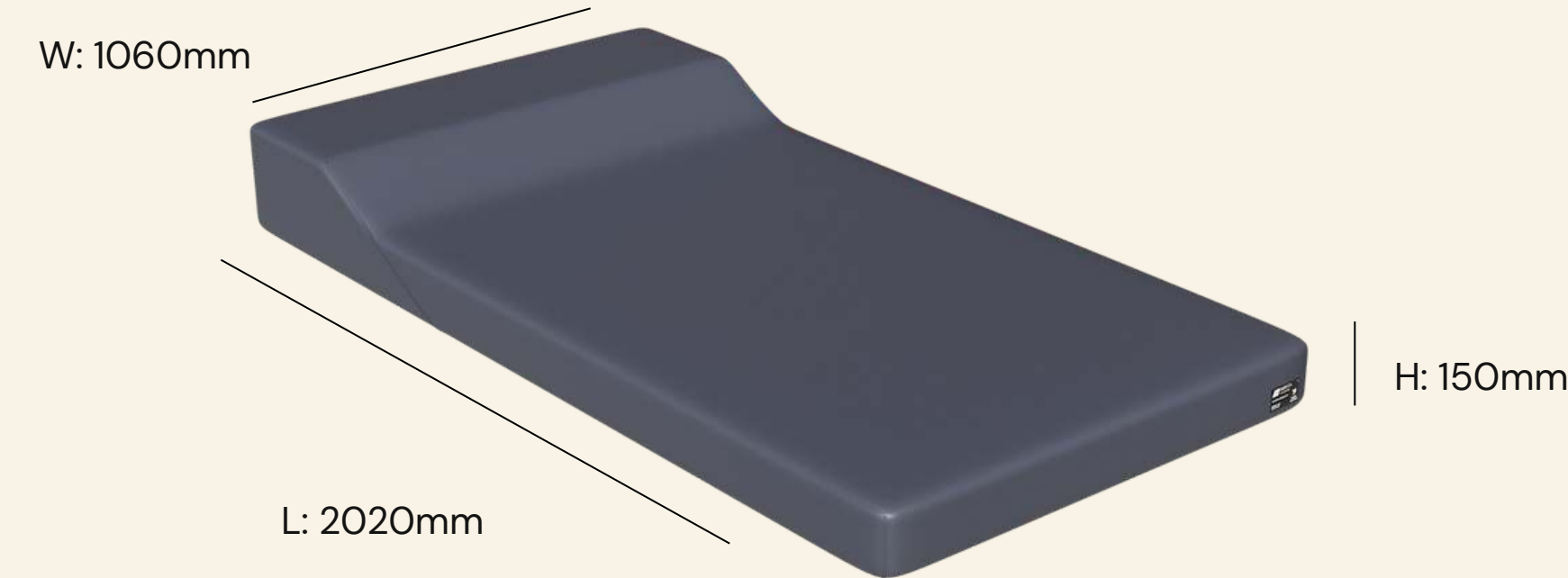


Soft

Kauri Mattress 150 with Pillow



ORDER CODE : MHK01P WEIGHT: 13kg



ORDER CODE : MHK01WP WEIGHT: 16kg

- European Commercial** – medical grade / PVC fabric with 600N tear resistance.
- Fire Retardant** – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)
- Fully Sealed** – tamper, tear and slash resistance cover reducing the risk of self harm.
- Waterproof** – no openings to prevent the hiding of contraband.
- Anti-Ligature** – mattress for high-risk areas.
- High frequency** – welded seams reinforced with stitching for extra durability.
- In built pillow** – minimal seams, no seam across the top of the mattress improving the durability of cover and reducing the risk of hidden contraband.



Safe



Waterproof



Fire Retardant



Anti-bacterial

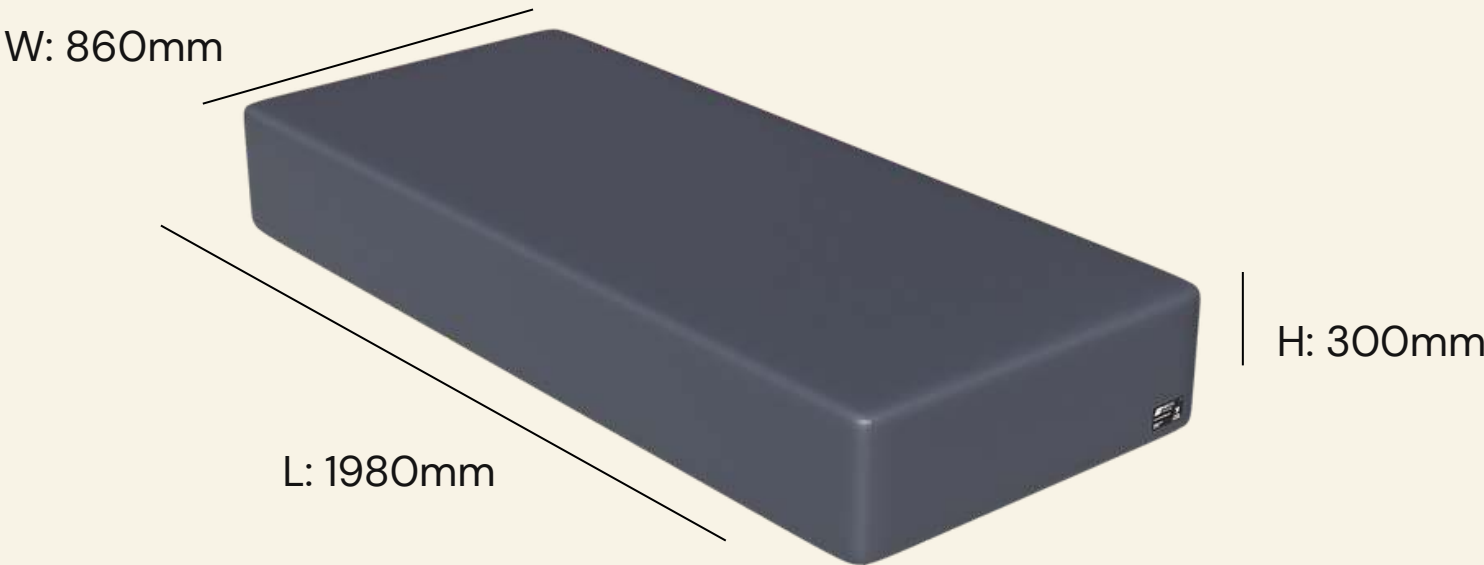


Washable

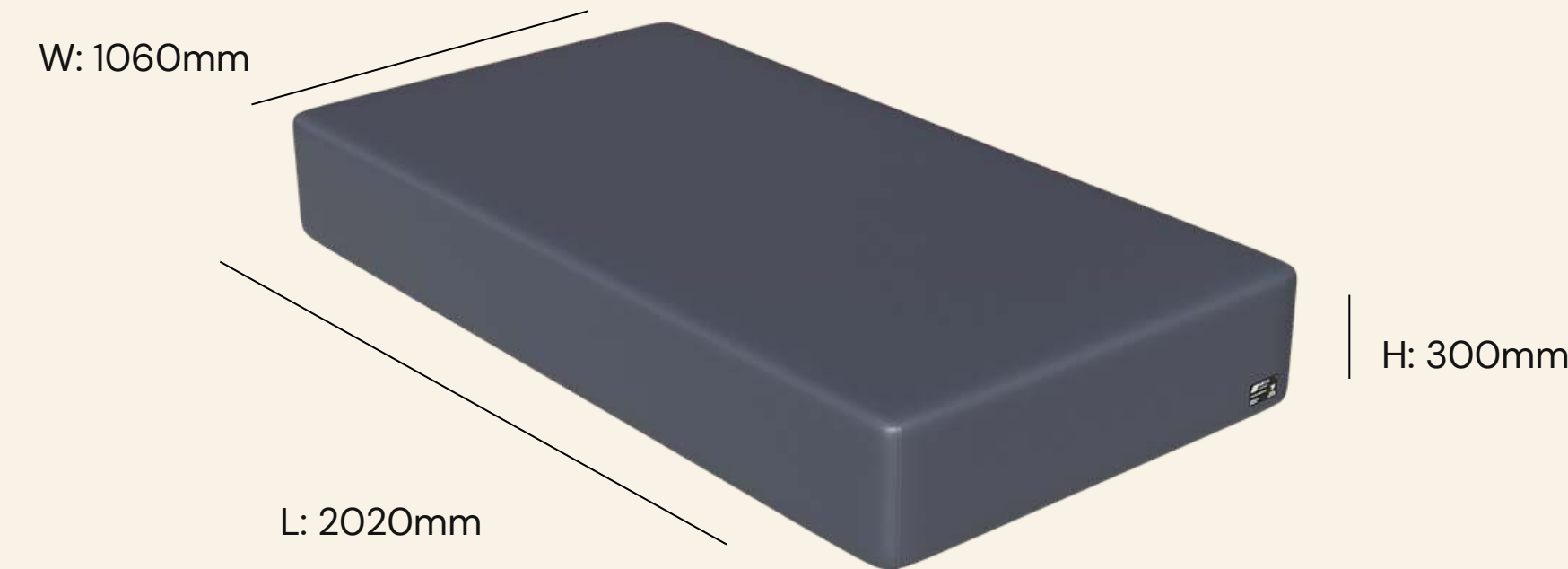


Soft

Kauri Mattress 300



ORDER CODE : MHK02 WEIGHT: 24kg



ORDER CODE : MHK02W WEIGHT: 30kg

- Integrated bed and mattress** – designed to be used directly on the floor, the ultimate anti-ligature mattress for high risk areas.
- Fire Retardant** – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)
- Can be used** – with a Kauri 150 mattress on top to assist with bedding.
- Waterproof**– no openings to prevent the hiding of contraband.
- Anti-Ligature** – mattress for high-risk areas.
- High frequency** – welded seams reinforced with stitching for extra durability.
- European Commercial** – medical grade / PVC fabric with 600N tear resistance.



Safe



Waterproof



Fire Retardant



Anti-bacterial

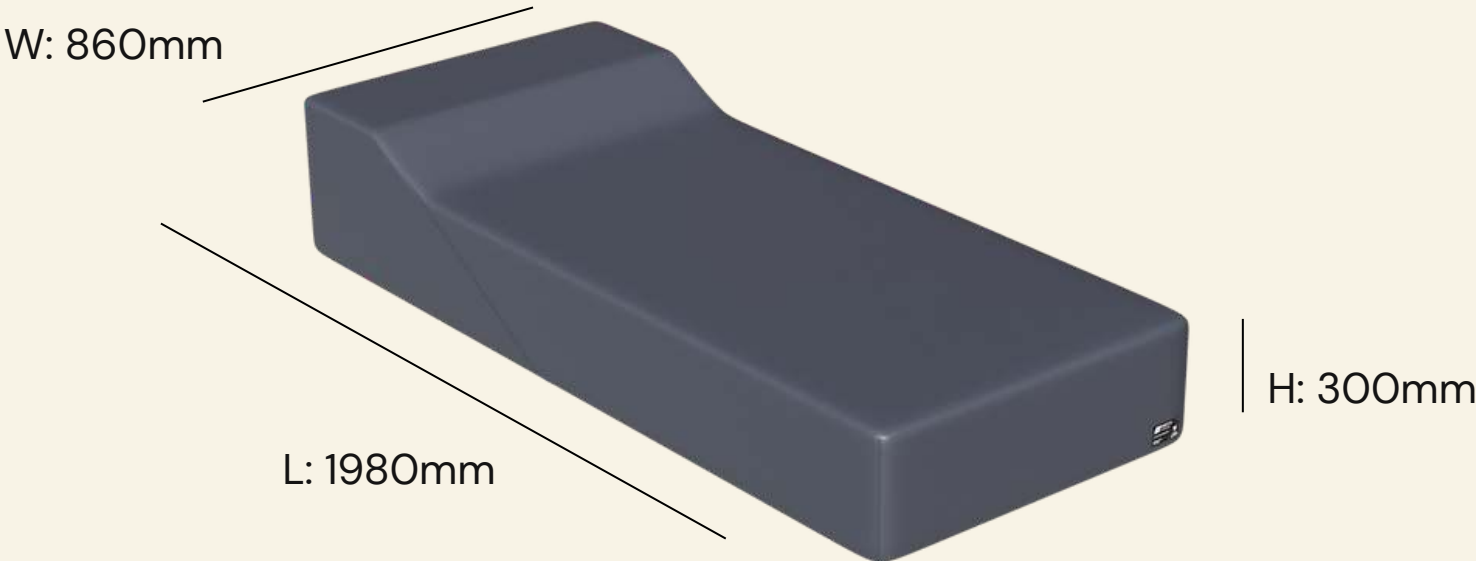


Washable

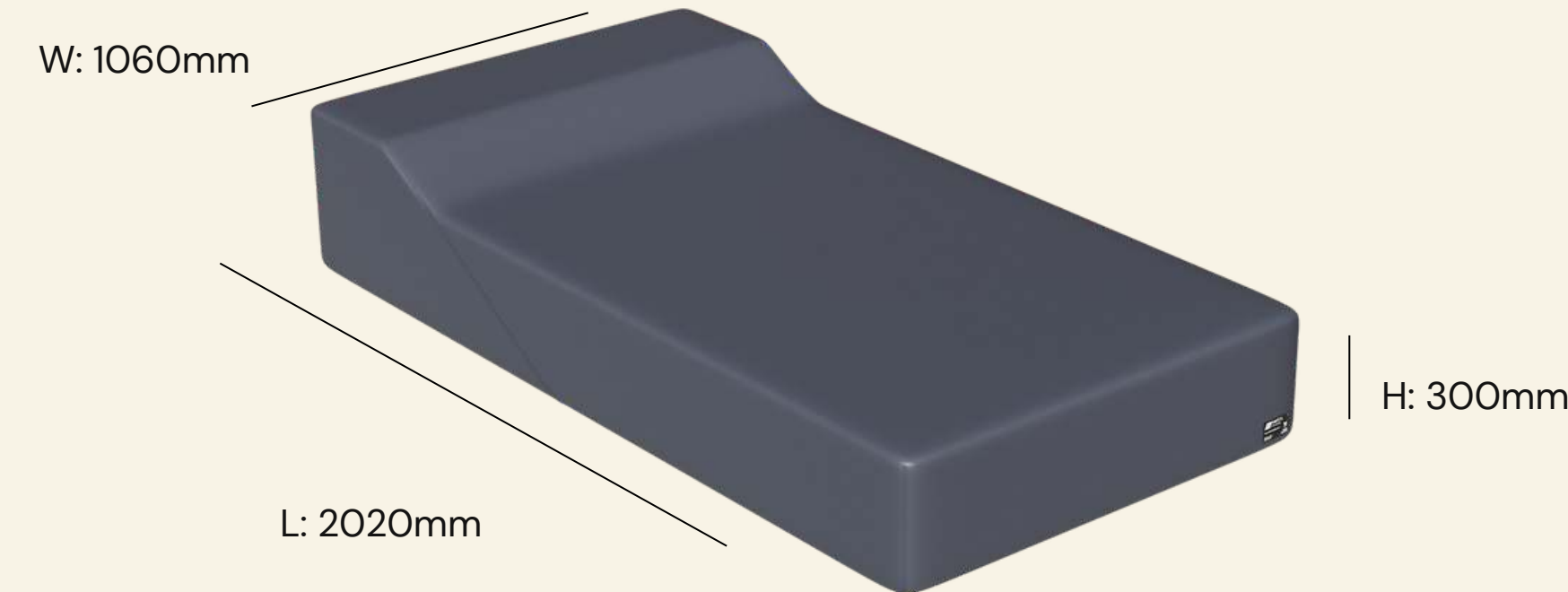


Soft

Kauri Mattress 300 with Pillow



ORDER CODE : MHK02P WEIGHT: 25kg



ORDER CODE : MHK02WP WEIGHT: 31kg

- European Commercial** – medical grade / PVC fabric with 600N tear resistance.
- Fire Retardant** – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)
- Fully Sealed** – tamper, tear and slash resistance cover reducing the risk of self harm.
- Waterproof** – no openings to prevent the hiding of contraband.
- High frequency** – welded seams reinforced with stitching for extra durability.
- In built pillow** – minimal seams, no seam across the top of the mattress improving the durability of cover and reducing the risk of hidden contraband.
- Integrated bed and mattress** – designed to be used directly on the floor, the ultimate anti-ligature mattress for high risk areas.



Safe



Waterproof



Fire Retardant



Anti-bacterial



Washable

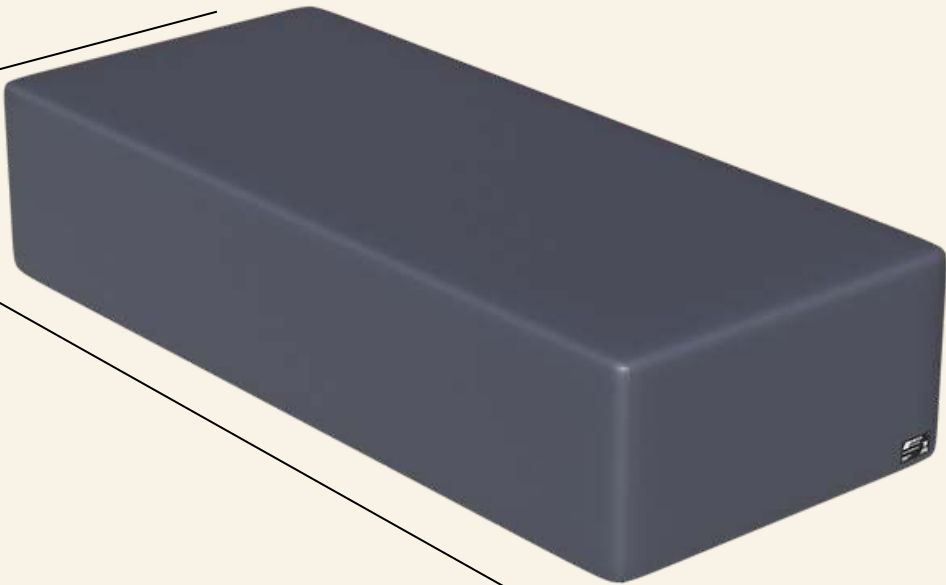


Soft

Kauri Mattress 450

W: 860mm

L:1980mm

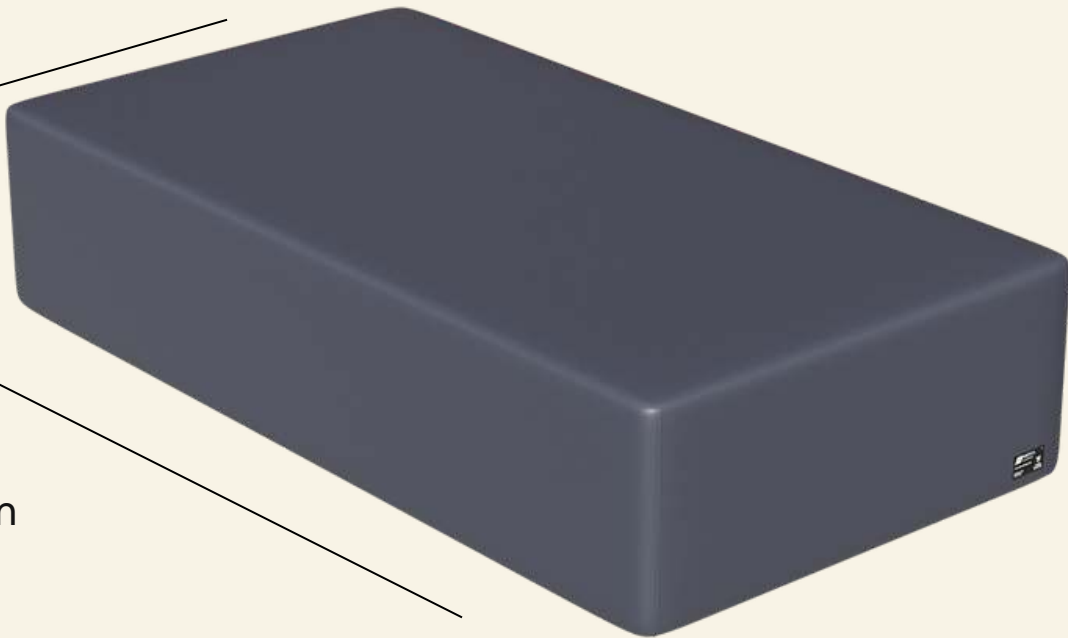


H:450mm

ORDER CODE : MHK03 WEIGHT: 35kg

W: 1060mm

L:2020mm



H:450mm

ORDER CODE : MHK03W WEIGHT: 42kg

Integrated bed and mattress – designed to be used directly on the floor, the ultimate anti-ligature mattress for high risk areas.

Fire Retardant – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)

Can be used – with a Kauri 150 mattress on top to assist with bedding.

Waterproof – no openings to prevent the hiding of contraband.

Anti-Ligature – mattress for high-risk areas.

High frequency – welded seams reinforced with stitching for extra durability.

European Commercial – medical grade / PVC fabric with 600N tear resistance.



Safe



Waterproof



Fire Retardant



Anti-bacterial



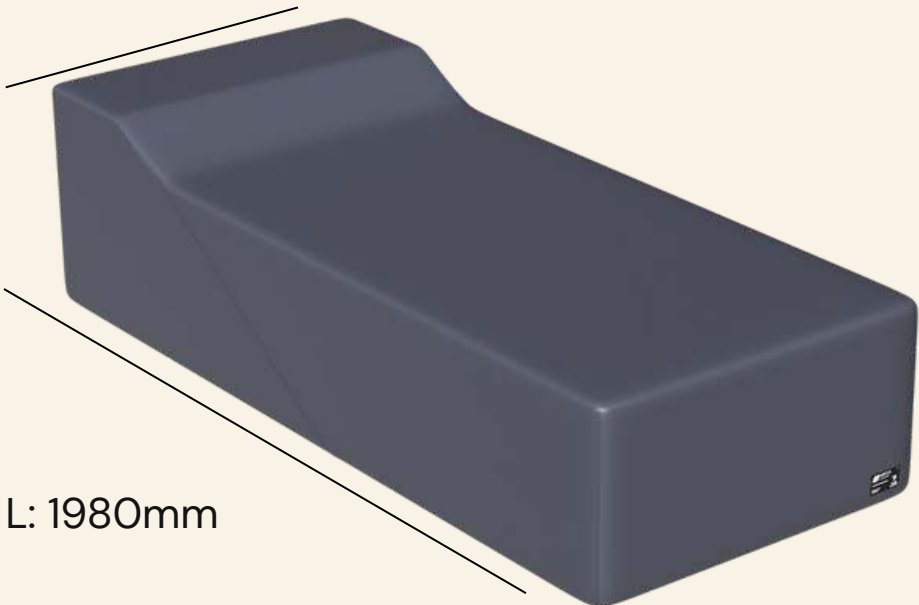
Washable



Soft

Kauri Mattress 450 with Pillow

W: 860mm



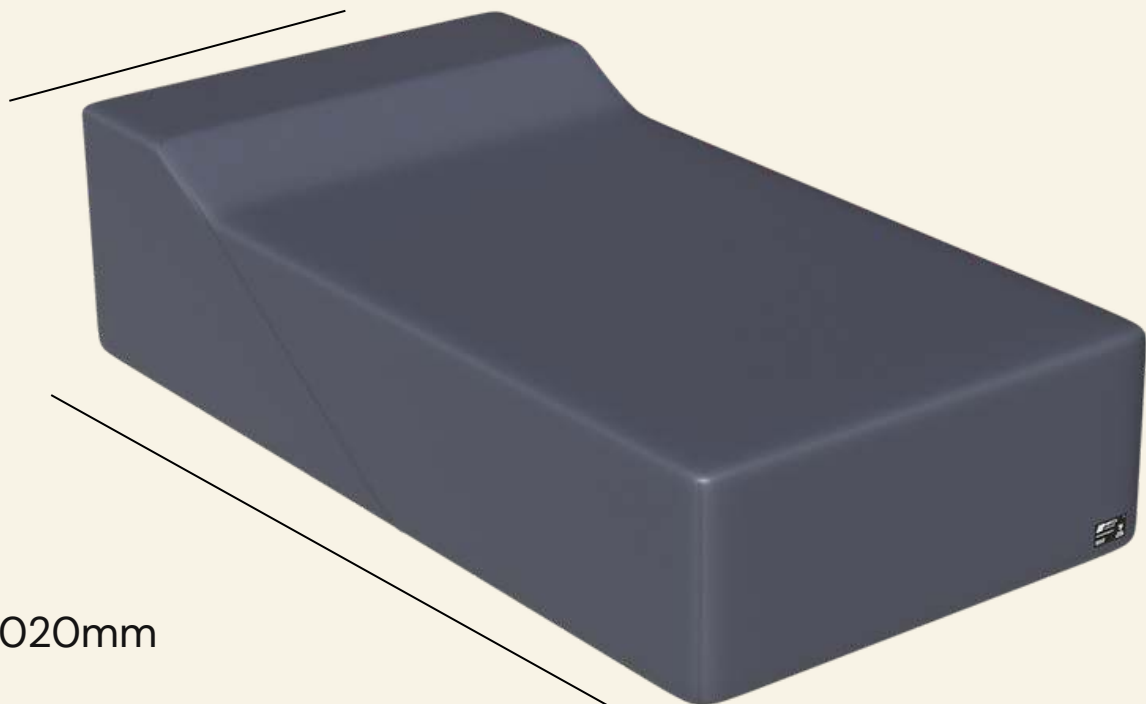
L: 1980mm

H: 450mm

ORDER CODE : MHK03P

WEIGHT: 36kg

W: 1060mm



L: 2020mm

H: 450mm

ORDER CODE : MHK03WP

WEIGHT: 43kg

European Commercial – medical grade / PVC fabric with 600N tear resistance.

Fire Retardant – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)

Fully Sealed – tamper, tear and slash resistance cover with high frequency welded seams reducing the risk of self harm.

Waterproof – no openings to prevent the hiding of contraband.

In built pillow – minimal seams, no seam across the top of the mattress improving the durability of cover and reducing the risk of hidden contraband.

Integrated bed and mattress – designed to be used directly on the floor, the ultimate anti-ligature mattress for high risk areas.



Safe



Waterproof



Fire Retardant



Anti-bacterial



Washable



Soft

Kauri Pillow



W:750mm

L:500mm

ORDER CODE : MHP02 WEIGHT: 4kg

- European Commercial** – medical grade / PVC fabric with 600N tear resistance.
- Fire Retardant** – foam and fabric BS 7177:2008 + A1:2011 (Crib 7)
- Fully Sealed** – tamper, tear and slash resistance cover reducing the risk of self harm.
- Waterproof**– no openings to prevent the hiding of contraband.
- Streamline** – cover design with very few seams.
- Purpose built** – for high-risk areas.
- High frequency welded** – seams reinforced with stitching for extra durability.
- Comfortable** – malleable filling of foam chips 48 litres



Safe



Waterproof



Fire Retardant



Anti-bacterial



Washable

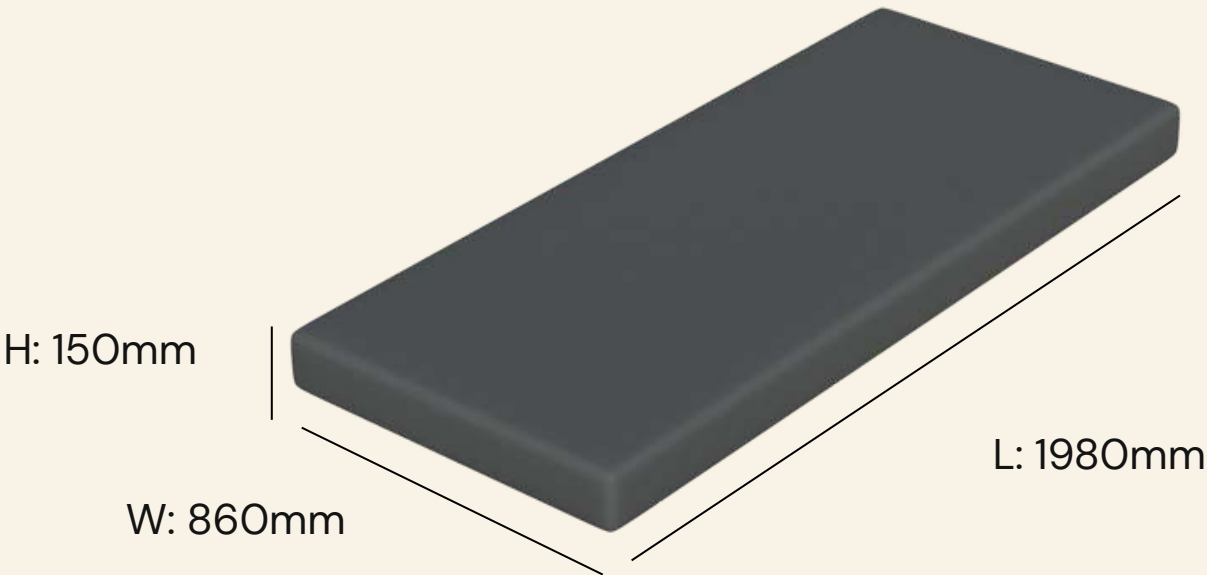


Soft

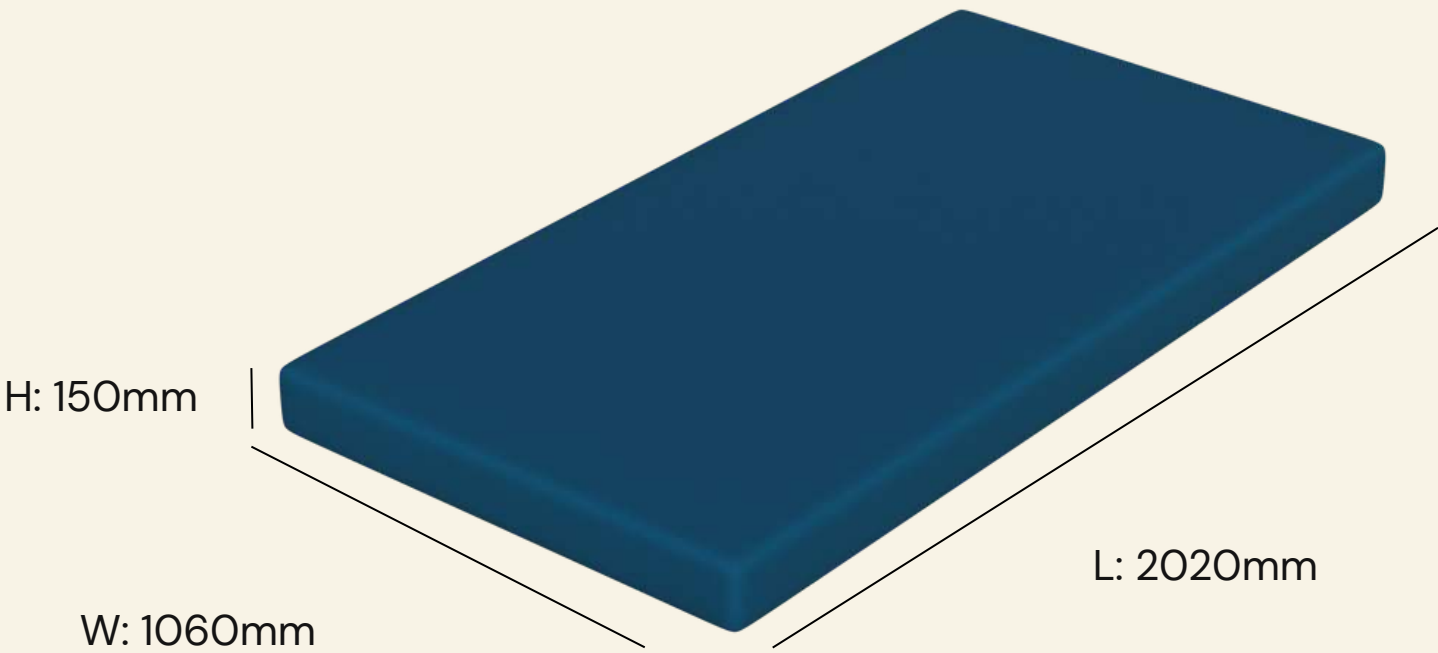
ArmadilloTM MATTRESSES



Armadillo™ Mattress 150



ORDER CODE : AM01 WEIGHT: 14kg



ORDER CODE : AM01W WEIGHT: 18kg

Durable & Anti-Ligature – built to withstand high-use environments, these mattresses are engineered for exceptional durability and long term performance. Designed with no sharp edges, ensuring safer, ligature-resistant structure ideal for high-risk environments.

Waterproof & Hygienic – featuring our trademarked LimberShield™ technology, the waterproof surface makes cleaning effortless while offering superior protection against moisture and maintaining hygiene.

BS7177 Crib 7 Fire Retardant – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

Comfortable Support – provides consistent comfort and support, offering a secure, restful, experience for users.

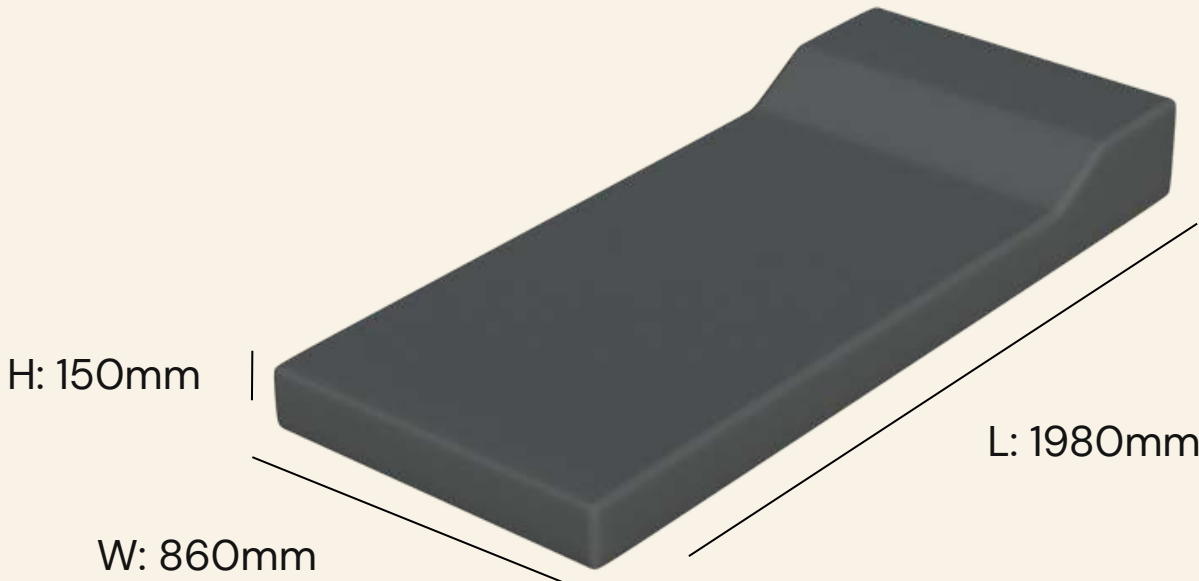
Easy Maintenance – thanks to seamless design and LimberShield™ coating, these mattresses are easy to clean and maintain, reducing upkeep time.



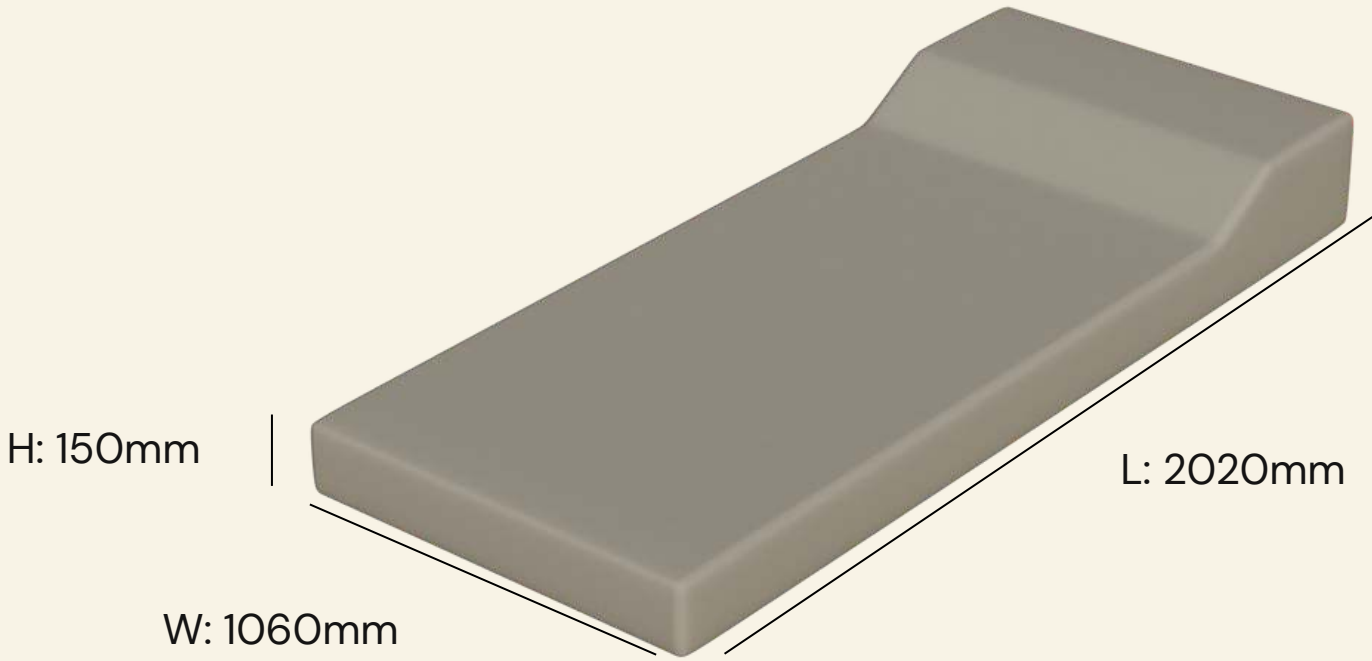
COLOUR OPTIONS | Any colour at MOQ |



Armadillo™ Mattress 150 with Pillow



ORDER CODE : AM01P WEIGHT: 15kg



ORDER CODE : AM01WP WEIGHT: 19kg

Durable & Anti-Ligature – built to withstand high-use environments, engineered for exceptional durability. Designed ensuring safer, ligature-resistant structure ideal for high-risk environments.

Waterproof & Hygienic – featuring our trademarked LimberShield™ technology, the waterproof surface makes cleaning effortless while offering superior protection against moisture and maintaining hygiene.

BS7177 Crib 7 Fire Retardant – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

Comfortable Support – provides consistent comfort and support, offering a secure, restful, experience for users.

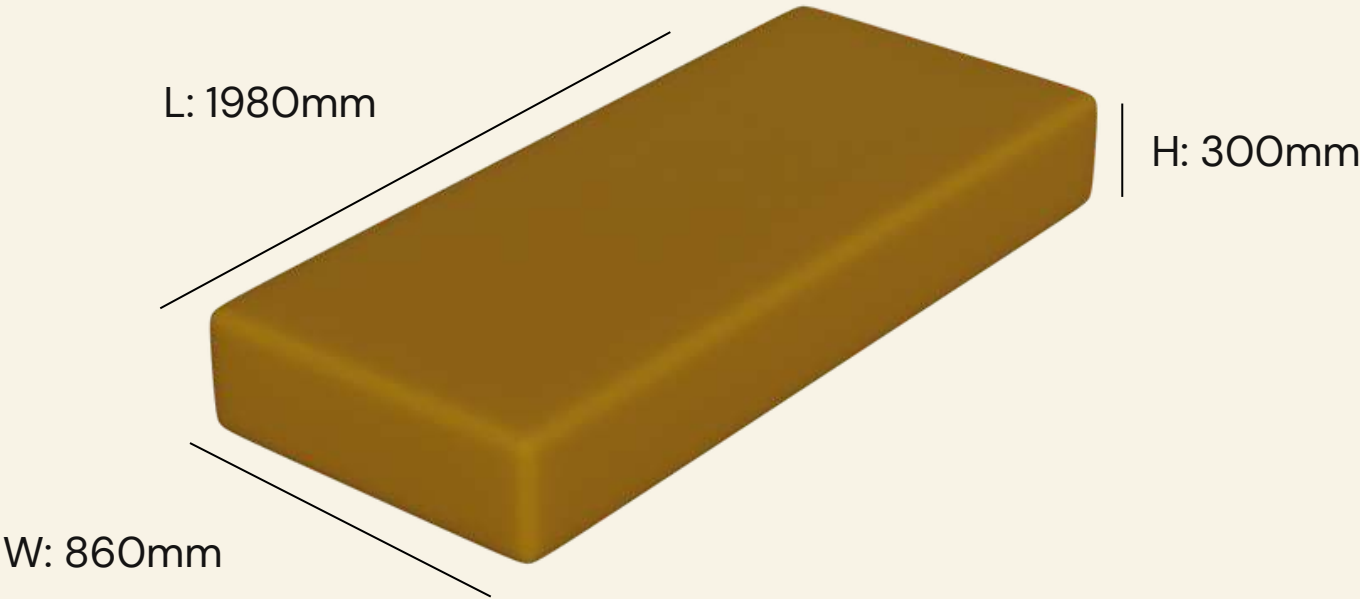
Inbuilt Pillow Option – available with a built-in pillow for added comfort and support, designed for a more restful and convenient sleeping experience while maintaining ultimate safety.



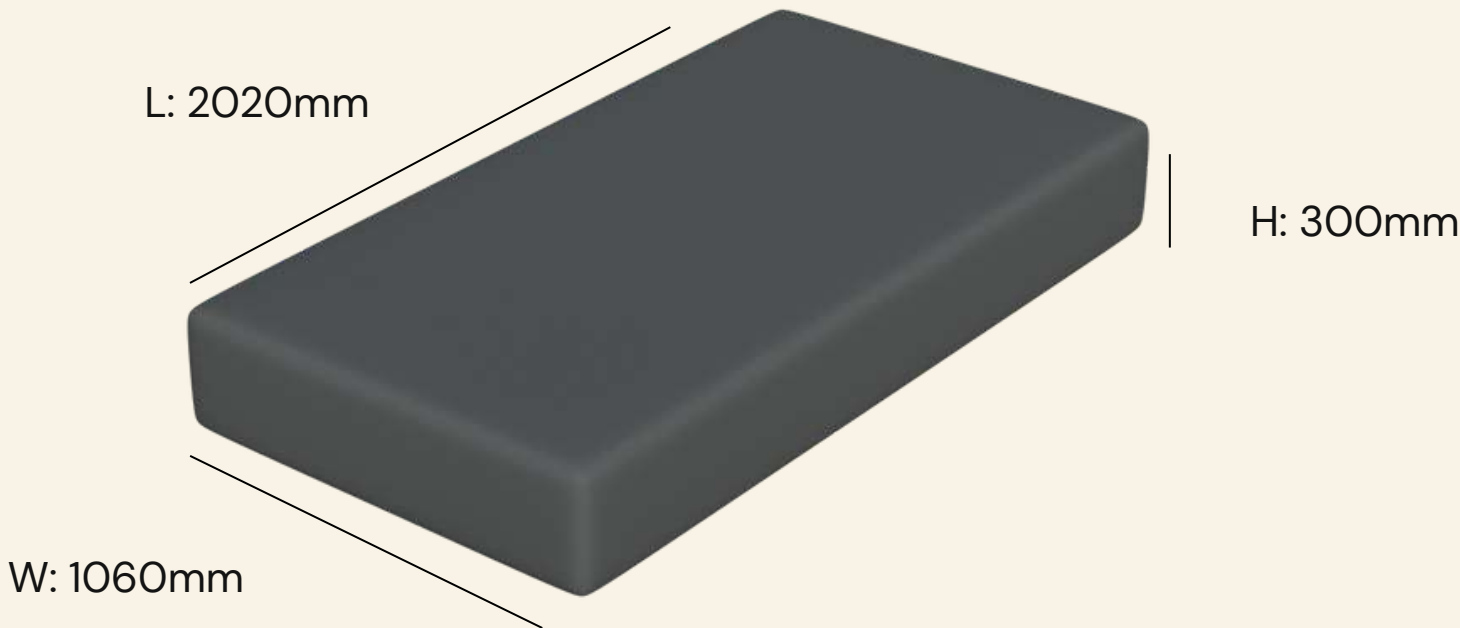
COLOUR OPTIONS | Any colour at MOQ |



Armadillo™ Mattress 300



ORDER CODE : AM02 WEIGHT: 21kg



ORDER CODE : AM02W WEIGHT: 26kg

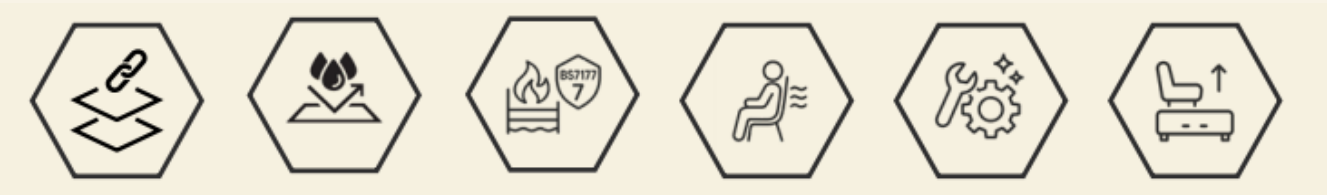
Durable & Anti-Ligature – built to withstand high-use environments, engineered for exceptional durability and long term performance. Designed with safer, ligature-resistant structure ideal for high-risk environments.

Waterproof & Hygienic – featuring our trademarked LimberShield™ technology, the waterproof surface makes cleaning effortless while offering superior protection against moisture and maintaining hygiene.

BS7177 Crib 7 Fire Retardant – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

Comfortable Support – provides consistent comfort and support, offering a secure, restful, experience for users.

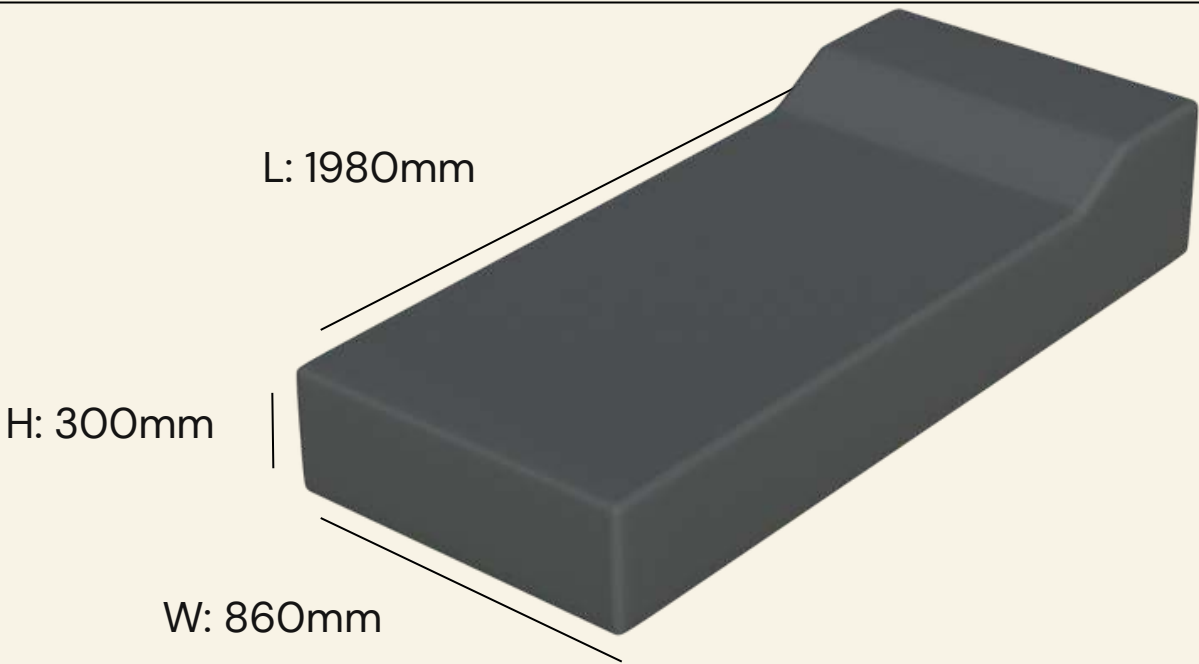
Can Be Used as a Bed Base – ideal for use directly on the floor, providing a stable, practical solution without the need for an additional bed frame.



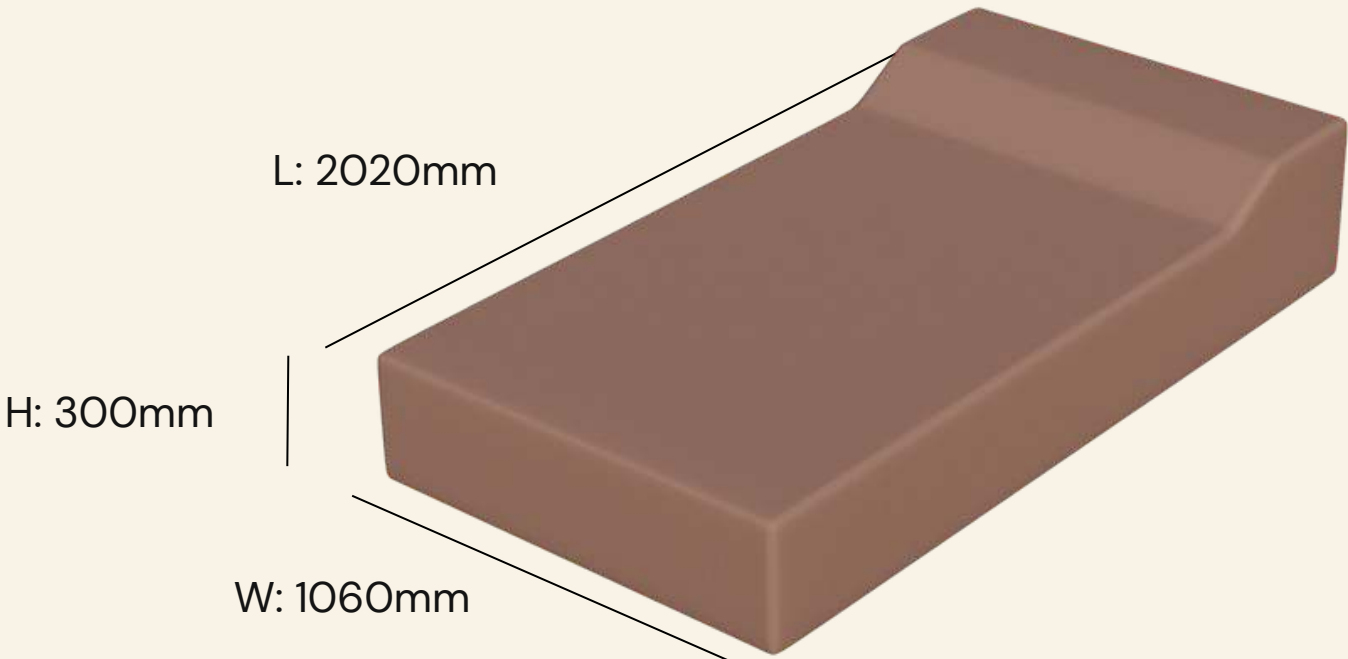
COLOUR OPTIONS | Any colour at MOQ |



Armadillo™ Mattress 300 with Pillow



ORDER CODE : AM02P WEIGHT: 22kg



ORDER CODE : AM02WP WEIGHT: 27kg

Durable & Anti-Ligature – built to withstand high-use environments, engineered for exceptional durability, safer, ligature-resistant structure ideal for high-risk environments.

Waterproof & Hygienic – featuring our trademarked LimberShield™ technology, the waterproof surface offers superior protection against moisture and maintaining hygiene.

BS7177 Crib 7 Fire Retardant – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

Comfortable Support – provides consistent comfort and support, offering a secure, restful, experience for users.

Can Be Used as a Bed Base – ideal for use directly on the floor, providing a stable, practical solution without the need for an additional bed frame.

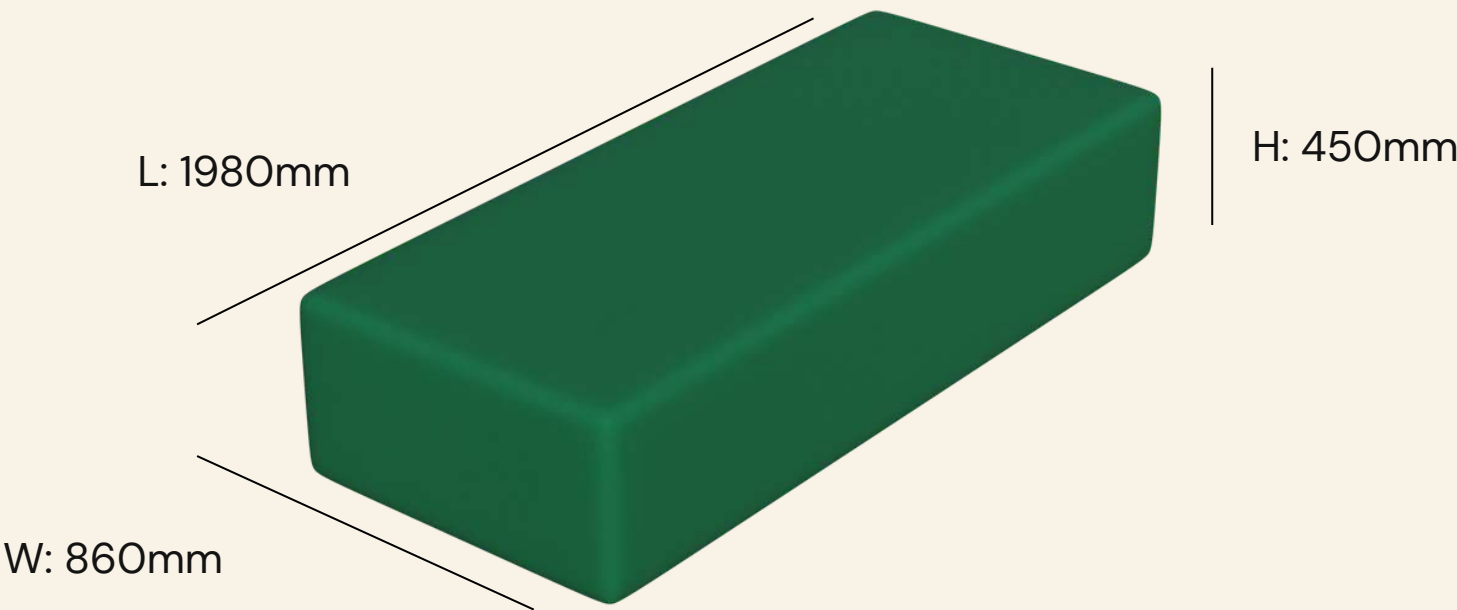
Inbuilt Pillow Option – available with a built-in pillow for added comfort and support, while maintaining ultimate safety.



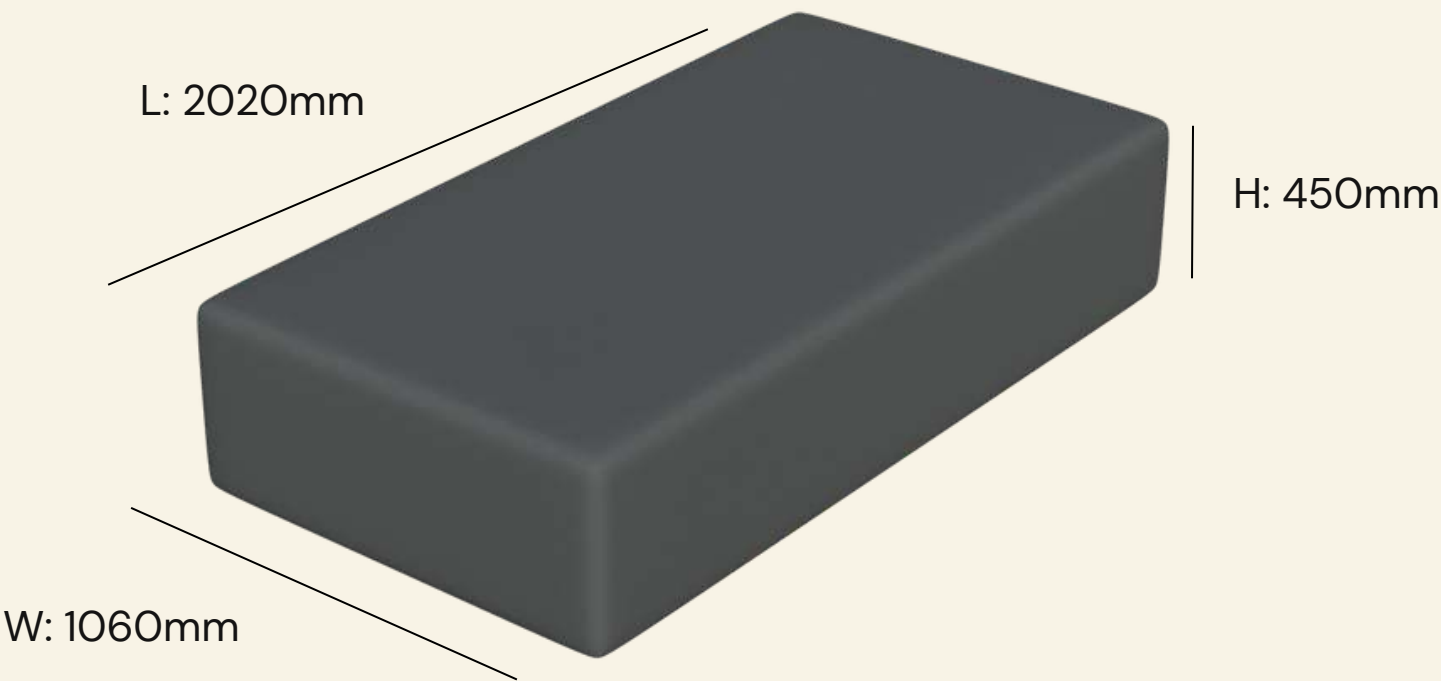
COLOUR OPTIONS | Any colour at MOQ |



Armadillo™ Mattress 450



ORDER CODE : AM03 WEIGHT: 28kg



ORDER CODE : AM03W WEIGHT: 34kg

Durable & Anti-Ligature – built to withstand high-use environments, engineered for exceptional durability and long term performance. Designed with safer, ligature-resistant structure ideal for high-risk environments.

Waterproof & Hygienic – featuring our trademarked LimberShield™ technology, the waterproof surface makes cleaning effortless while offering superior protection against moisture and maintaining hygiene.

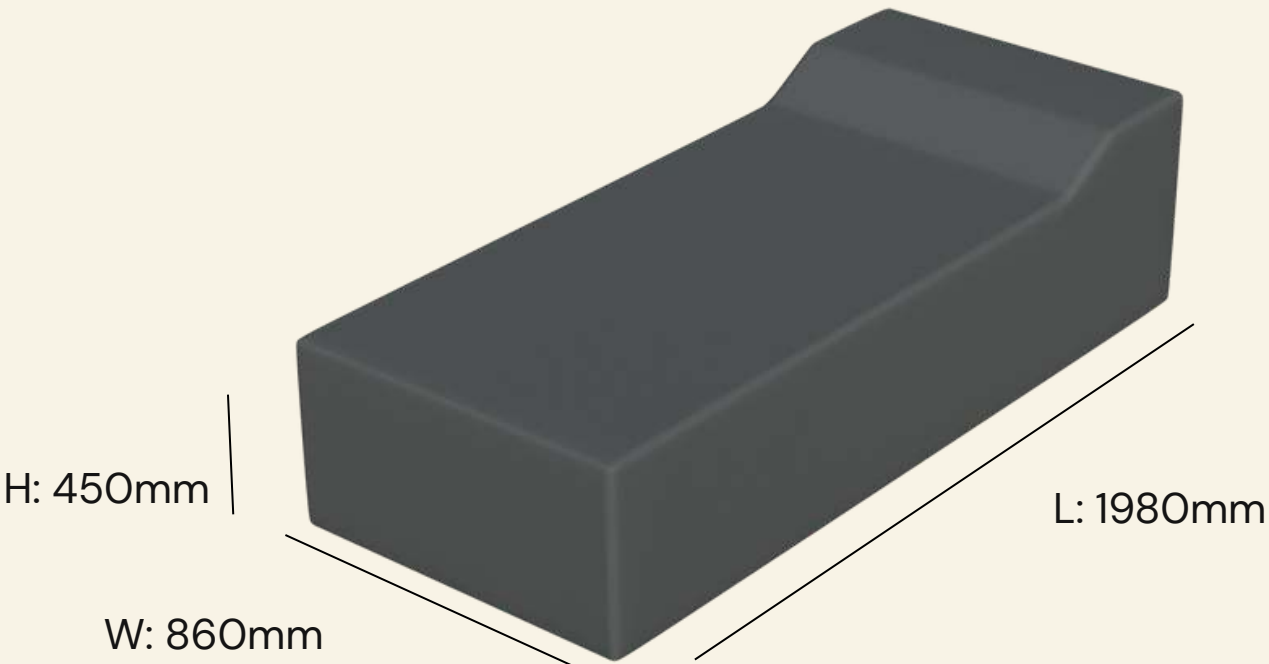
BS7177 Crib 7 Fire Retardant – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.

Comfortable Support – provides consistent comfort and support, offering a secure, restful, experience for users.

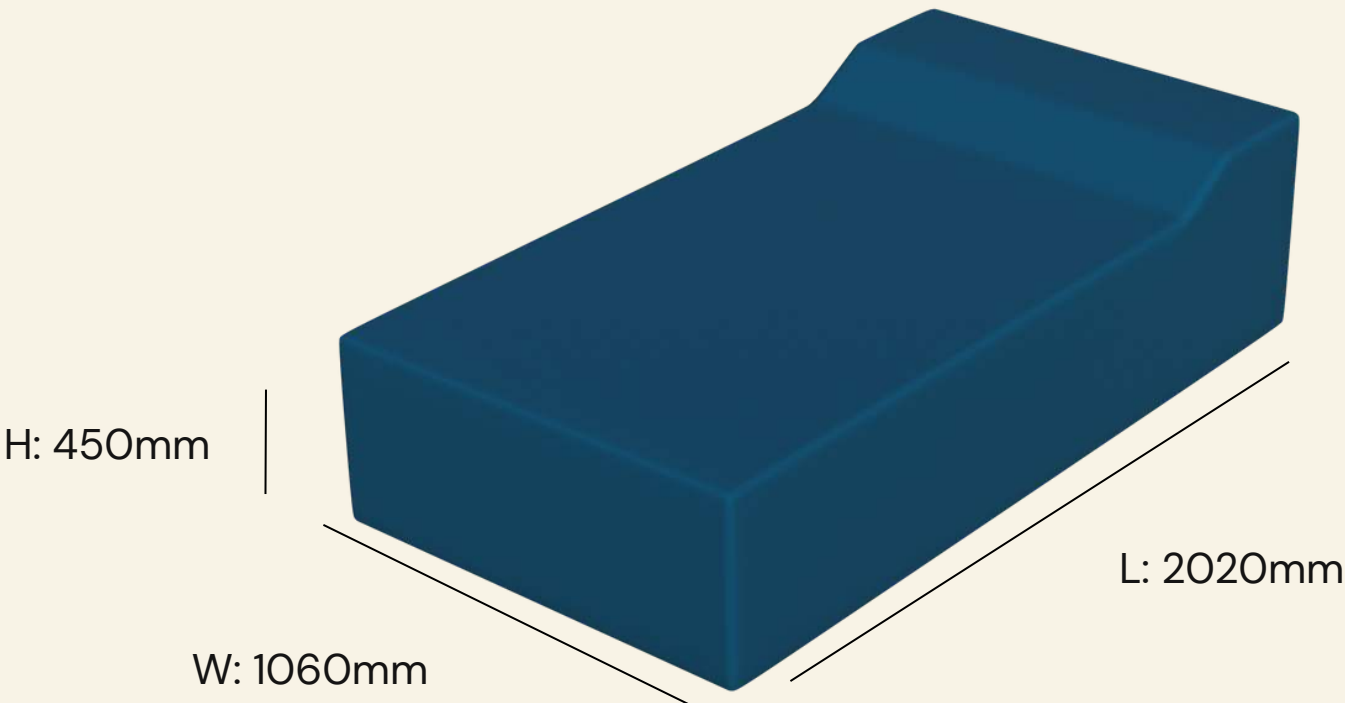
Can Be Used as a Bed Base – ideal for use directly on the floor, providing a stable, practical solution without the need for an additional bed frame.

COLOUR OPTIONS | Any colour at MOQ |

Armadillo™ Mattress 450 with Pillow



ORDER CODE : AM03P WEIGHT: 29kg



ORDER CODE : AM03WP WEIGHT: 36kg

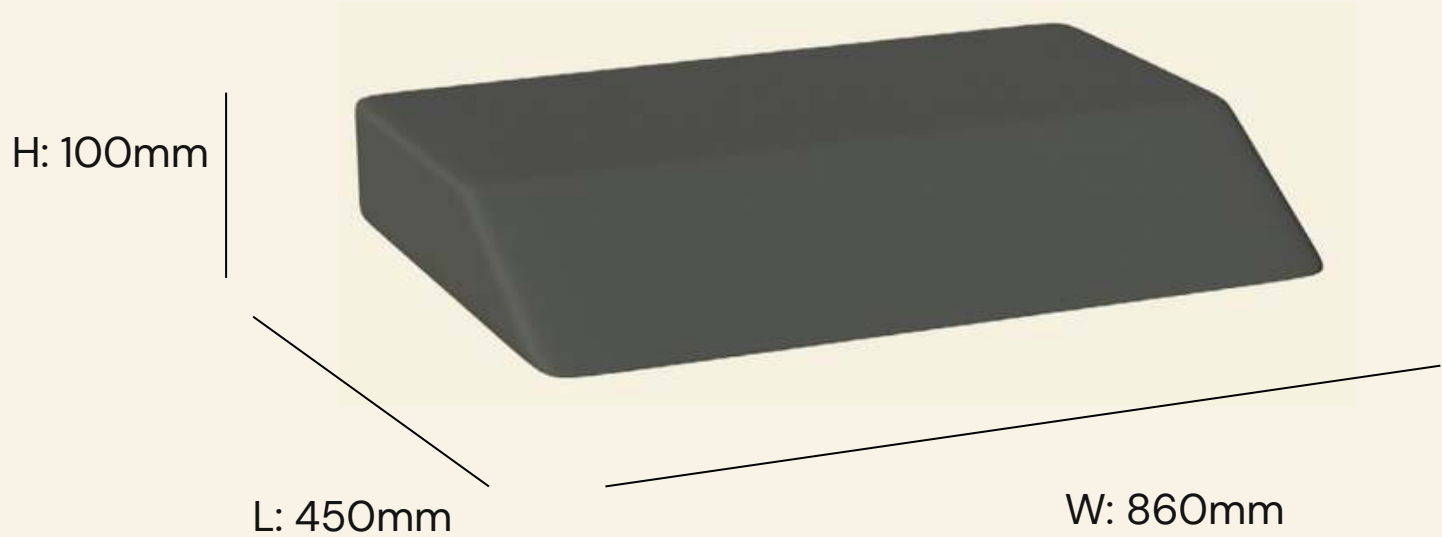
- Durable & Anti-Ligature** – built to withstand high-use environments, engineered for exceptional durability, safer, ligature-resistant structure ideal for high-risk environments.
- Waterproof & Hygienic** – featuring our trademarked LimberShield™ technology, the waterproof surface offers superior protection against moisture and maintaining hygiene.
- BS7177 Crib 7 Fire Retardant** – complies with the highest fire safety standard, ensuring the mattress meets rigorous safety regulations.
- Comfortable Support** – provides consistent comfort and support, offering a secure, restful, experience for users.
- Can Be Used as a Bed Base** – ideal for use directly on the floor, providing a stable, practical solution without the need for an additional bed frame.
- Inbuilt Pillow Option** – available with a built-in pillow for added comfort and support, while maintaining ultimate safety.



COLOUR OPTIONS | Any colour at MOQ |



Armadillo™ Pillow



ORDER CODE : APO1 WEIGHT: 3kg

Comfortable, Durable & Hygienic – made from high-quality foam for lasting support and comfort, with an anti-bacterial LimberShield™ coating for easy cleaning and hygiene.

Seamless, Safe & Easy to Maintain – designed with no seams or gaps, reducing maintenance and preventing bacteria buildup, while remaining soft and safe for users.

Lightweight & Portable – easy to move and adjust, making it versatile and practical for different environments.



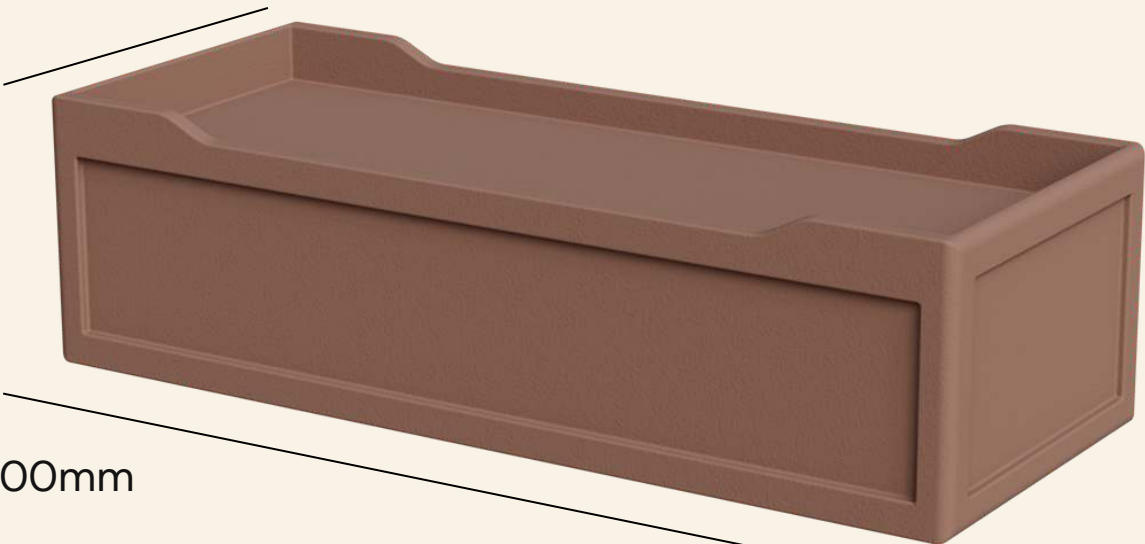
Armadillo™ Bed Bases

DESIGNED TO FIT THE ABECCA SINGLE MATTRESS

W: 980mm

H: 470mm

L: 2100mm



ORDER CODE : AB01

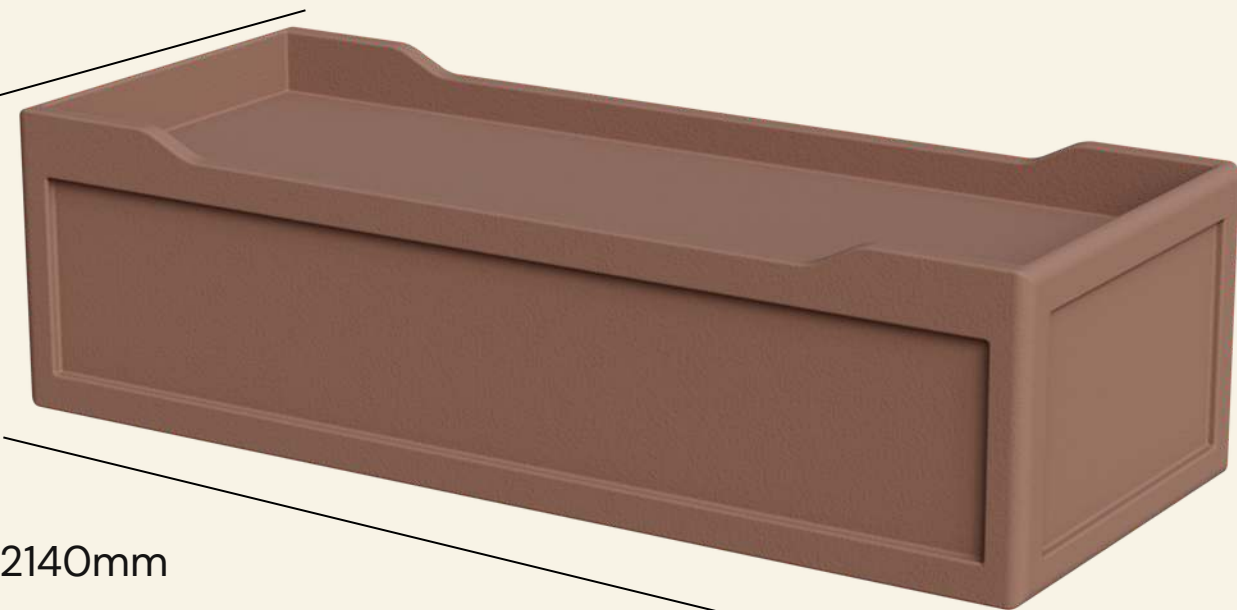
WEIGHT: 36kg

DESIGNED TO FIT THE ABECCA KING SINGLE MATTRESS

W: 1190mm

H: 470mm

L: 2140mm



ORDER CODE : AB02

WEIGHT: 42kg

Comfortable & Supportive – Foam-based soft structure providing a stable foundation for the mattress with lasting support.

Anti-Ligature & Smooth design – Rounded, seamless edges eliminates ligature risk and enhances safety.

LimberShield™ coating & Waterproof –Durable, waterproof surface thats easy to clean, ensuring hygiene and long-term performance.

Customisable Sizing – Easily tailored to fit your specific space and needs.

Safe & User Friendly – Soft, non-institutional appearance designed for comfort and practicality.

Suitable for use with all Abecca mattresses



COLOUR OPTIONS | Any colour at MOQ |





Thank you for your interest
For any queries please contact:

Order enquiries :

customerservice@abeccadesign.com

NZ p: +64 6 358 9642

AU p: +61 2 8089 3950



Hamish Beatson

Managing Director

hamish@abeccadesign.com

Joseph Beatson

General Manager

joseph@abeccadesign.com