

CROWN
POSTURE BEDDING

iadapt[®]
i sleep better now



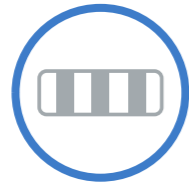
Why iAdapt?

With the introduction of new technologies, iAdapt strives to produce a mattress that provides you comfort, balance and healthy air circulation, leaving you more vitalized and full of energy the next morning. The inclusion of "Pulse" latex and "Black Diamond" will not only support a more luxurious feel, but will allow you to get the best sleep possible thanks to its all natural European latex technology. The mattresses in our iAdapt range are made of 100% natural latex and are manufactured by Latexco.



Australian Made with Belgian Technology

innovative and world leading mattress technology through European sourced materials that is manufactured in Australia supporting Australians.



7 Comfort Zones

each part of the body is correctly supported, ensuring the spine, when sleeping on your side, is kept nice and straight.



Prolonged Durability

innovative technology, providing a long lasting and functional lifespan.

Natural Latex

Natural latex is extracted from the rubber tree and processed using natural biodegradable ingredients. This offers exceptional quality characteristics, as we only use high-quality natural latex from selected and controlled plantations. Natural latex has a supportive and spring like feel, relaxing your muscles and relieving tension where it is needed most. It is also extremely durable and lasts longer than any other component of the mattress. Compared to synthetic latex, natural latex also provides a more environmentally friendly footprint, often meeting the most rigid of furniture emissions standards.



Öeko Tex

Latexco has been awarded the Öeko-Tex 100 "free of harmful substances" quality label. Laboratory tests have proven that our products are free of harmful substances that pose a threat to the health of humans and to the environment.

pulse

Superior Ventilation • Optimised Humidity Control • Perfectly Balanced Microclimate

innovative pulse latex significantly reduces energy consumption, resulting in the best ecological footprint in the entire latex industry. Pulse latex contains natural latex, which excels on all comfort levels and reacts very well and fast to ambient conditions.



Excellent Resilience



Homogeneous Cell Structure

Latexco Natural

- Plush and luxurious comfort.
- Exceptional elasticity.
- Optimal ventilation thanks to the open cell structure of latex.
- Natural protection against fungi, bacteria and dust-mites.
- Unequalled resilience & superior stretch offers a unique three-dimensional support.
- Natural latex is a 100% renewable resource.
- Latex 100% bio-degradable.

Features and Benefits

Natural latex is 100% biodegradable, hygienic, hypoallergenic, dust-free, contaminant-free and non-toxic. It is comprised of a network of millions of ultra microcellular structures distributed across the whole block. This is made possible using the latest micro-vent technologies, which further promotes natural breathing and longer product durability. Natural latex rubber has high resilience and strong elongation properties which help to enhance the performance over a long period of time. Foams made from synthetic latex do not have these properties.

Furthermore, natural latex does not use petro-chemical materials in their natural latex blocks. Using natural latex provides a healthier, environmentally friendly sleep surface, superior air circulation, is dust and irritant free and is non-allergenic. Natural latex has the highest natural antibacterial properties, unmatched by any other polyurethane or synthetic foam.



EuroLATEX

tests developed in association with TFI (Deutsches Teppich Forschungs institute-Aachen) show that Latexco products meet the EuroLATEX ECO-Standard. This standard defines the maximum acceptable limits of toxic substances or substances considered harmful to health in latex foam cores.



BLACK DIAMOND

Conductive · Cooling · Sparkling Appearance

Black Diamond™ infusion greatly enhances thermal comfort. The enhancement of heat movement through compression-conduction is accomplished when individual crystalline carbon particles are pressed closely together during sleep. This occurs especially at deep compression areas such as at the shoulders and hips, where excess heat tends to build up and cause discomfort. At those areas, Black Diamond™ infusion provides extremely conductive pathways for transferring heat towards uncompressed parts of your mattress, where it can continuously be liberated through convection for lasting thermal comfort.



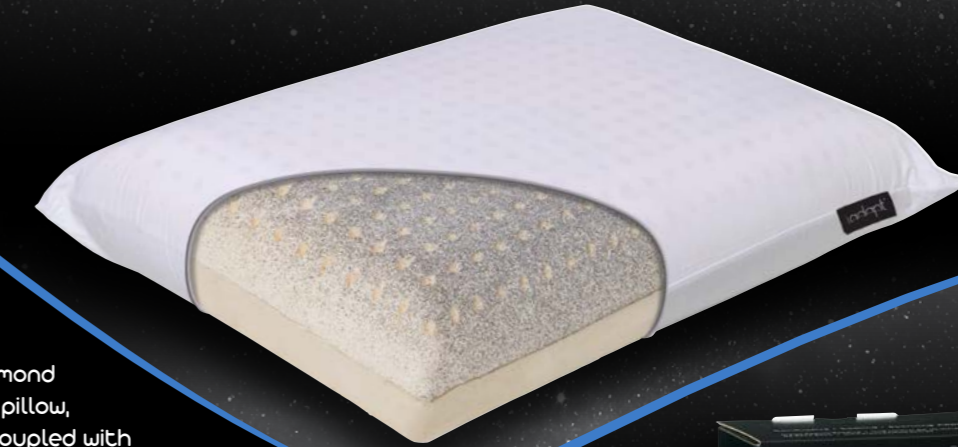
Properties

- Breathable layer of extremely cool, flexible phase change coating helps to maintain air flow and moisture transmission.
- Superior medium for lateral heat transfer.
- Greatly enhances cooling without excessive weight.
- Significantly improves heat capacity, conductivity and thermal effusivity.

Black Diamond Pillow

The perfect pillow to go with your mattress. With Black Diamond technology on one side and Pulse latex on the other, our Black Diamond Pillow provides comfort for both warm and cool climates, making it an essential component in providing a peaceful night's sleep.

Containing the same properties as our mattresses, Black Diamond Pillow disperses heat towards uncompressed sections of the pillow, preventing the possibility of over-heating while you sleep. Coupled with Pulse latex, the Black Diamond Pillow can be flipped to provide a warmer surface while still providing optimal ventilation due to the open cell structure of the latex.



Latex Temperature

The reputation that rubber has for being 'hot' has been in connection with impermeable surfaces such as groundsheets, air-beds, etc, as these are made up with an unbroken solid surface that does not breathe and as such, cannot be compared. Coupled with Black Diamond's phase change technology, our mattresses have been designed with breathable air channels that allow greater air flow in and around the mattress.



Tested on Latex

- Thermal effusivity (ASTM D7984), measures the sample's ability to exchange heat with its surroundings per ASTM D7984-16.
- Transient thermal study (PCT-1050), a 34°C heat source maintained at a constant power output is placed on top of a 2.5 cm sample for 60 minutes while the temperature is monitored at the sample surface.

Results Latex

- After 1 minute the Black Diamond coated latex was 2.2°C cooler than the untreated latex.
- Black Diamond coated latex maintained a final equilibrium temperature 0.5°C cooler than the untreated latex at the end of the 60-minute test period.
- Black Diamond coated latex had almost 4x the thermal effusivity than that of the untreated latex.

Vitalize Outer Cover

Promotes Healthy Circulation • Recycles Energy • Improves Your Well-Being

Incorporated with far infrared technology, vitalize is a high-tech yarn made from polyester fibres, permanently linked with ceramic mineral crystals and has the ability to reflect far infrared rays (FIR) back into the body. These rays penetrate the subcutaneous tissues (the layer just below the skin) and stimulate blood circulation. With better blood flow comes the reduction of cold hands and feet, a problem faced by many people.

Thanks to long exposure time with 7 to 8 hours every night, vitalize fabric maximizes the benefits of FIR, promoting healthy circulation on a very flexible mattress, with natural movement helping to ventilate the mattress. This allows the mattress to recycle energy from body heat and use it to improve your well-being.

Innovation

Pulse Latex is a revolutionary new process, known as the SonoCore process. The SonoCore technology is based on dielectric heating. With this wave technology - instead of steam - the latex is vulcanized endogenously. The vulcanization starts in the middle of the latex product and gradually goes to the outside.

To complete the SonoCore technology a full revision of the entire latex compound formulation was developed. The combination of the new SonoCore process with new compound formulation, results in a new, revolutionary latex foam called PULSE. Moreover, the process significantly reduces energy consumption.

Why Latex?

Since John Boyd Dunlop created the first latex mattress in 1920, latex has evolved to being one of the best sleep surface technologies there is; with unequalled elasticity, latex bedding products support your movements, as the materials excellent natural elasticity ensures that the latex adapts perfectly to your body contours and helps with spinal alignment as you sleep. With balanced pressure distribution across the surface giving your body optimal support, latex mattress also provide good blood circulation and help prevent pain and stiffness, allowing for a peaceful night's rest. A tried and tested sleep surface



Antimicrobial

protection from the growth and spread of bacteria, dust mites and other microorganisms. This provides a healthier and cleaner sleep surface, allowing a more peaceful night's rest.

Latex Over Memory Foam

Most people are active sleepers as we toss and turn yet with memory foam you tend to sleep in one position harbouring movement, while with latex you are able to move freely without breaking sleep to provide a better night's rest.

Furthermore, memory foam is made from petrochemical products, that contain several negative characteristics including chemical odour, the off-gassing of chemical compounds and the tendency to trap heat. Latex however, being a natural plant product, provides a healthier alternative with better blood circulation for a better night's sleep doesn't provide a risk to health and since latex mattresses are built in layers, it is customizable to any body type.



New Benchmark In Bedding Products

Pulse latex is comprised of a homogeneous cell structure, which is of key importance as it results in an excellent hysteresis and great tensile strength. Pulse latex has a perfectly balanced microclimate and optimized humidity control thanks to the superior ventilation properties of the foam structure, excelling on all comfort levels and ensuring a healthy night's sleep.

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Mattress Sizes	Metric	Imperial
Long Single	920 x 2030mm	3'0" x 6'8"
Queen	1530 x 2030mm	5'0" x 6'8"
King	1830 x 2030mm	6'0" x 6'8"



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Your In-Store Bedding Consultant

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