

HOSPITAL PRESSURE REDISTRIBUTION MATTRESSES

Ensuring Comfort and Care



Pressure ulcers are a frequent and serious health risk. Prevalent in many healthcare and community settings, particularly for those with restricted mobility, suffering from poor nutrition, or with other debilitating conditions. Pressure ulcers are costly in terms of human suffering and medical resources and it is widely recognised that 95% of them are preventable. They can require substantial time, money and effort to heal. Twenty five percent of all stage 4 pressure ulcers result in death.

Most pressure ulcers form on the lower back below the waist, the hip bone, and on the heels. With patients confined to a bed or chair however, pressure ulcers can also form on other bony prominences such as the knees, ankles, shoulder blades, back of the head, ears and spine and for those in chairs or wheelchairs, the exact spot where pressure ulcers form depends on many factors including their sitting position.

Leaders in pressure redistribution and skin integrity products, MacMed Healthcare have a range of specialised multi-density, pressure redistribution mattresses developed for low to high risk patients **within acute and sub-acute care environments.**

MACMED PRESSURE REDISTRIBUTION MATTRESSES

All MacMed Healthcare mattresses redistribute the pressure exerted at the interface between the patient and the supporting surface. This is achieved by maximising the contact surface area and redistributing pressure without compromising surrounding tissue.

Multi-density layers of the finest hospital grade foams provide immediate comfort and immersion, which together with the redistribution of the patient's weight effectively reduces interface pressure against the skin providing pressure redistribution, promoting skin integrity and patient comfort.



HOSPITAL ULTIMATE MATTRESS



SIDERAIL

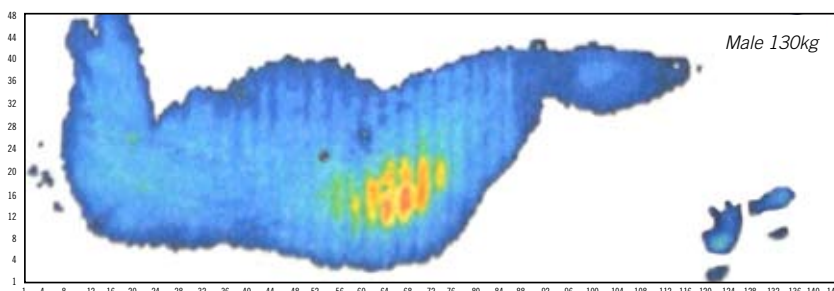
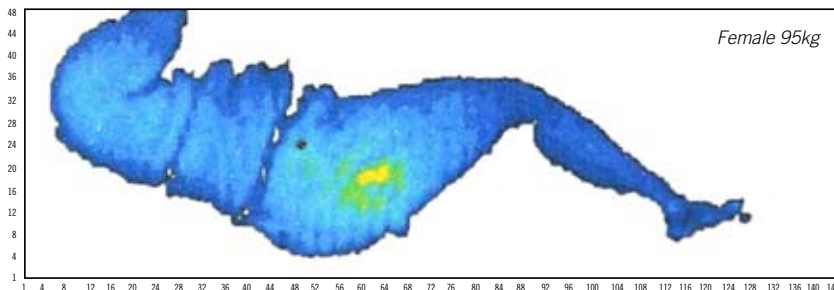
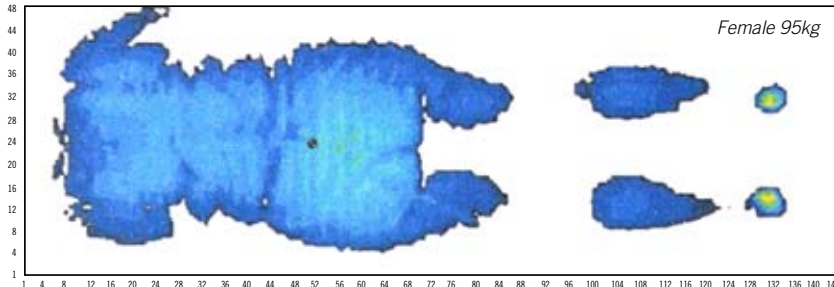
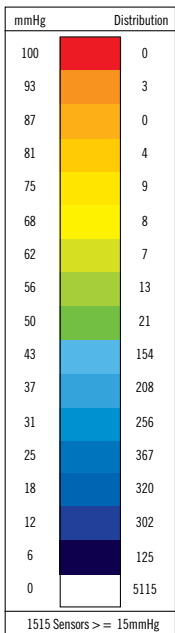
MacMed mattresses are configured with a stability perimeter for greater patient stability and support, and a unique integrated hinging system for greater contoured comfort and controlled anti-rucking.

Ideally recommended for patients up to 150kg.



Protection is achieved by using a tri-zone three tier system of hospital grade foams with visco-elastic as the top layer including a unique sacral insert for enhanced pressure redistribution and greater immersion in the patient's contact area which redistributes the patient's weight effectively reducing peak interface pressure against the most vulnerable skin integrity points such as the occipital, sacral and heel areas.

PRESSURE MAPPING



The interface pressure between the body of a subject lying on the mattress was measured with the subjects lying on their back and also on their side.

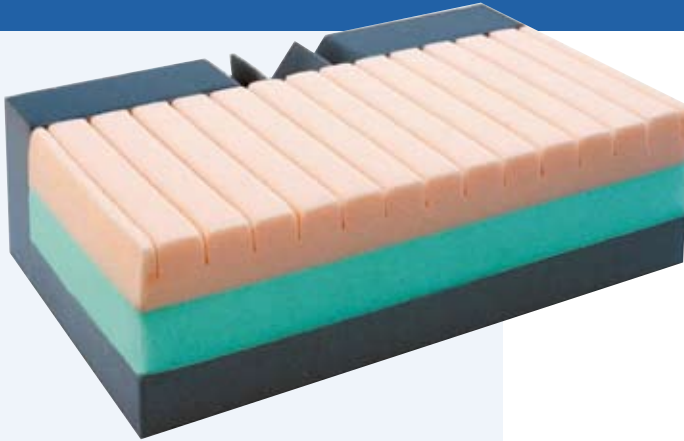
Recordings were taken for 5 minutes or until no creep was observed, in each position. The results were analysed and averaged over 3-5 minutes.

Pressure Mapping:
Hospital Ultimate Mattress

Note:
All MacMed mattresses have been tested with live subjects.

Subject Key	Gender
Medium Weight - F64kg	Female
Medium Weight - F95kg	Female
Heavy Weight - M130kg	Male
Weight	Thickness
64	150mm
95	150mm
130	150mm

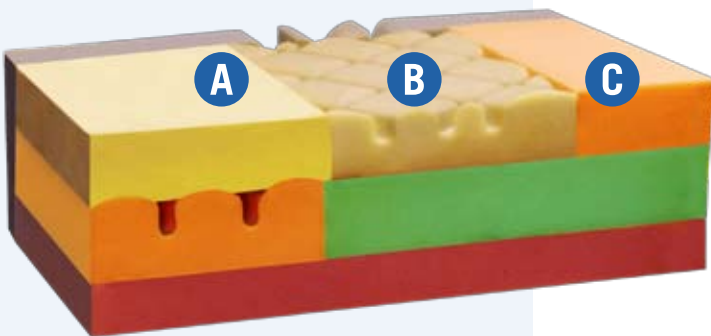
HOSPITAL DELUXE MATTRESS



Ideally recommended for patients up to 150kg.

A favoured choice for patients with spinal injury, the Deluxe mattress is the firmest in the MacMed mattress range, offering a three tier configuration that provides maximum support for optimum patient comfort and ease of mobility and self transfer.

HOSPITAL SUPREME MATTRESS

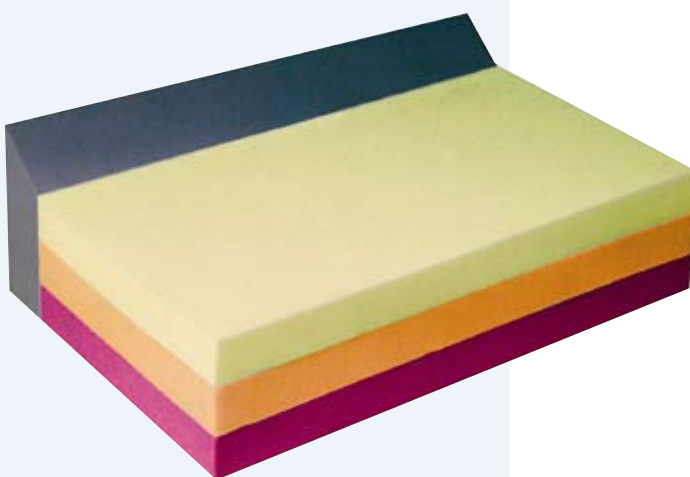


Ideally recommended for patients up to 150kg.

Developed with a unique tri-zone design, the MacMed Hospital Supreme has specialised areas of varying foam configurations for optimum pressure redistribution across the occipital area (base of skull), sacral cradle (lower back) and Heel Shield™.

- A** Heel Shield™ with added ventilation for those at high risk of developing heel ulcers
- B** Diamond castellations in the sacral area for better weight redistribution
- C** Occipital zone for increased protection of bony protrusions such as neck, back of head and ears

SAFETY SIDE (CONCAVE) MATTRESS



Ideally recommended for patients up to 100kg.

The MacMed Safety Side Mattress is a product designed as a moderate intervention for some patient and bed safety issues, and forms a valuable adjunct to the range.

Wedge shaped “safety side” foam lines the perimeter of the mattress and helps to reduce the risk of falls and/or entrapment as the safety side feature fills in the space between the bed sides and the mattress. The lower safety sides provide a subtle cradling effect giving the patient a non-restraining, feeling of security whilst discouraging independent exits from the bed.

The patient may also use the side rails as a stability aid when exiting the bed with appropriate assistance.

Palliative / frail care version also available.

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KEY FEATURES AND BENEFITS

- Proven pressure redistribution capabilities
- Scientifically configured for ultimate support and comfort
- Effective shear and friction management maximising skin integrity
- 100% Latex free
- Covered with a two-way stretch, vapour permeable and waterproof material that is easily cleaned
- Treated with the Ultra Fresh anti-microbial system that is effective against dust mites, bacteria, mould and mildew for the life of the mattress
- Foams are free from pesticides and endorsed by the National Asthma Council
- Lab tested by an Australian NATA accredited laboratory
- PUPPS compliant (Pressure Ulcer Point Prevalence Survey)



THE MACMED COVER

All MacMed mattress covers are manufactured from a scientifically developed two-way stretch, hypo-allergenic fabric MacTech® that is also waterproof and vapour permeable for optimum skin integrity and comfort. Mattresses are available with high frequency welded seams, or a 360° zipper cover with waterfall flap to maximise infection control.

Mattress covers have a 2 year warranty.

ABOUT MACMED HEALTHCARE

Established in January 2000, MacMed Healthcare is the leading manufacturer and provider of superior pressure redistribution and skin integrity products throughout the Australian healthcare sector.

Through a comprehensive range of static mattresses and single cell air mattress overlays, chairs, cushions and wedges, as well as Hip and Skin Protectas and innovative podiatry products, MacMed Healthcare is committed to reducing the incidence and prevalence of pressure ulcers and other skin integrity conditions.

Manufactured from the finest hospital grade materials, all MacMed products are configured to exacting specifications, and rigorously tested by an independent NATA accredited laboratory for suitability, durability and compliance.

MacMed Healthcare has successfully fulfilled major public and private tenders including 6,000 pressure-reduction mattresses in acute care, and an exclusive state-wide procurement for more than 3,000 mattresses in the aged-care sector.

MacMed Healthcare's quality management system is fully certified to AS/NZS ISO 9001:2000.

