

AGED CARE / PALLIATIVE CARE 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 nursing homes and community care environments.**

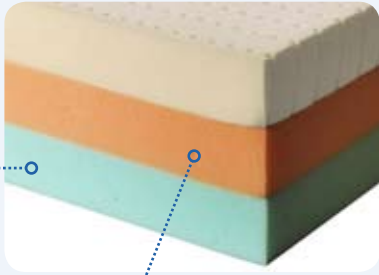
MACMED PRESSURE REDISTRIBUTION MATTRESSES

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.



PLATINUM PLUS (FRAIL/PALLIATIVE) MATTRESS



LAYER 2

The hospital grade foam selected for the second layer has a significantly higher density effectively providing a layer of support with sufficient softness to maintain the body weight.

LAYER 3

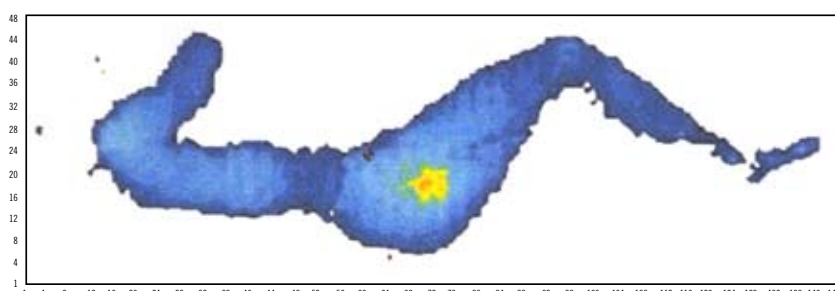
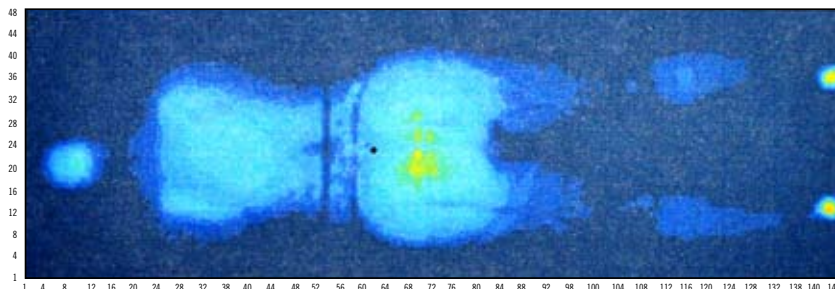
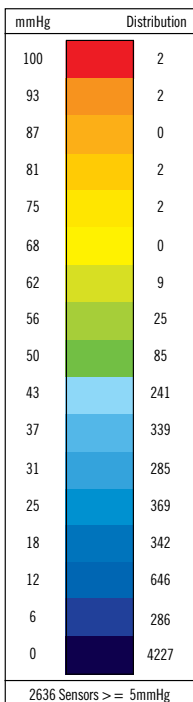
Scientifically configured for optimal support and comfort, the high resiliency base layer, when combined with layers one and two, provides firm support for the overall protection of the patient.

Ideally recommended for patients under 60kg.

Developed specifically for low weight and frail patients, the MacMed Platinum Plus Mattress utilises a trademarked, high-density, visco-elastic, open cell foam which provides greater air circulation and temperature control as well as optimum pressure redistribution for critical areas. Immediate comfort and immersion of the contact area, together with the redistribution of the patient's weight effectively reduces interface pressure against the skin.



PRESSURE MAPPING



Using the Xsensor pressure sensor matt, the interface pressure between the body of each subject and mattress is measured, with the subject lying flat on the back and the on the side.

Once the subject settled down, recordings were taken for 3 minutes in each lying position and the results analysed.

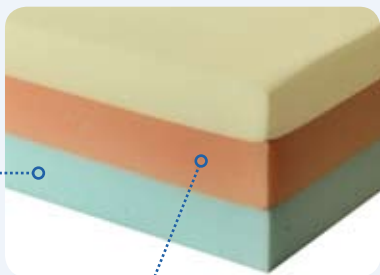
Pressure Mapping:

*Serenity Mattress
83kg Male*

Note:

All MacMed mattresses have been tested with live subjects.

SERENITY STANDARD MATTRESS



LAYER 2

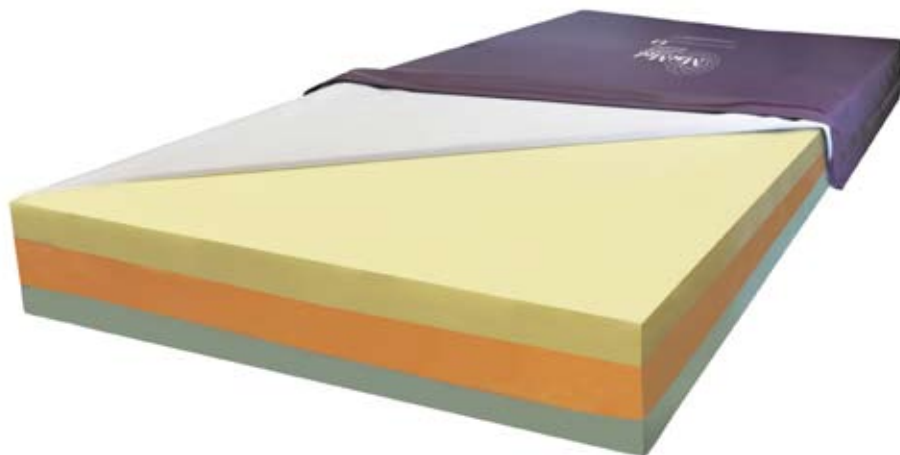
The foam selected for the second layer has a significantly higher density effectively providing a layer of sufficient softness to maintain overall support against the body weight.

LAYER 3

Scientifically configured for optimal support and comfort, the base layer, when combined with layers one and two, generates maximum pressure redistribution.

Ideally recommended for patients under 120kg.

Developed specifically for the aged care and nursing home environment, the MacMed Serenity Mattress is comprised of a three-tier configuration of hospital grade foams with visco-elastic as the top layer for the immediate comfort and immersion in the patient's contact area which redistributes the patient's weight effectively reducing peak interface pressure against the skin.



SERENITY PREMIUM 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 120kg.

Configured identically to the Serenity Standard Mattress in terms of pressure redistribution and comfort, the Serenity Premium Mattress offers an additional level of patient stability and support through the inclusion of side rails along the perimeter of the mattress.



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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.

