

## Powered Mattress Systems



# PRODUCT SELECTION GUIDE

Powered Mattresses

## 15+ High Risk

### High to Very High Risk Patients

JB Medical recommends the use of the Sterling 211, Diamond Auto 5 or Emerald 320 mattresses



#### **Sterling 211**

Mattress Replacement  
Code: JBSTERL211



#### **Diamond Auto 5**

Mattress Overlay  
Code: JBDAUTO5



#### **Emerald 320**

Mattress Replacement  
Code: JBEME320

## 20+ Very High Risk

### Very High Risk Patients

JB Medical recommends the use of the Diamond Auto 8, Onyx LAL or Platinum Max for bariatric patients



#### **Diamond Auto 8**

Mattress Replacement  
Code: JBDAUTO8



#### **Onyx LAL**

Low Air Loss Mattress Replacement  
Code: JBONYLAL



#### **Platinum Max**

Bariatric Mattress Replacement  
Code: JBPLATMAX



#### **JB Medical Equipment PTY LTD**

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# WATERLOW SCORE SHEET

(Ref. Judy Waterlow, 2005 Revision)

Write Scores down on right column, add total at end for Waterlow score. Score / Category can be used more than once.

## Build / Weight for Height

Average	Above Average	Obese	Below Average
BMI = 20 - 24.9	BMI = 25 - 29.9	BMI > 30	BMI < 20
0	1	2	3

## Skin Type - Visual Risk Areas

Healthy	Tissue Paper	Dry	Oedematous
0	1	1	1
Clammy, Pyrexia	Discoloured Grade 1	Broken/Spots Grade 2-4	
1	2	3	

## Sex / Age

Male	Female	14-49	50-64	65-74	75-80	81+
1	2	1	2	3	4	5

## Continence

Complete / Catheterised	Urine incontinence	Faecal incontinence	Urine + Faecal incontinence
0	1	2	3

## Mobility

Fully	Restless / fidgety	Apathetic	Restricted Bedbound	Chairbound eg. wheelchair
0	1	2	4	5

## Malnutrition Screening Tool (MST)

Weight Loss	Weight Loss	Weight Loss	Weight Loss	Weight Loss	Weight Loss
None	0.5-5kg	5-10kg	10-15kg	> 15kg	Unsure
0	1	2	3	4	2

## Special Risks

### Tissue Malnutrition

Terminal Cachexia	Multiple Organ Failure	Single Organ Failure	Peripheral Vascular Disease	Anaemia (Hb <8)	Smoking
8	8	5	5	2	1

### Neurological deficit

Diabetes, MS, CVA	Motor / Sensory
4-6	4-6

### Major Surgery or Trauma

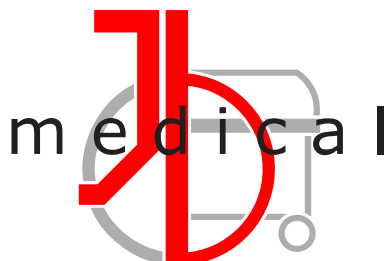
Orthopaedic / Spinal	On Table > 2 Hours*	On Table > 6 Hours*
5	5	8

\*scores can be discounted after 48 hours provided patient is recovering normally

Total Score: \_\_\_\_\_

15+ High Risk

20+ Very High Risk



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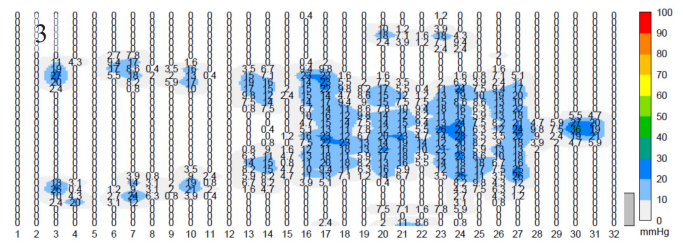
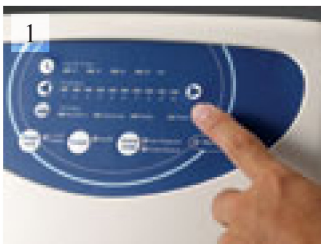
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**Sterling 211** system is a digital controlled alternating pressure relief mattress replacement. It comprises of many important features including pressure sensor technology, power failure alarm, static function, low pressure alarm, emergency CPR and quick connectors.



1. digital control panel 2. IEC plug leads  
3. alternating pressure map (patient: 85kgs)

## Key Features

- Complete mattress replacement
- Suitable for medium to high risk patients (waterlow 15-19)
- Microprocessor controlled for simplicity, reliability and ease of use
- Multi therapy modes provide patient best pressure relief and comfort
- Smart pressure detection technology increase the pump's life expectancy
- Auto-recovery static function returns the mattress back to alternating mode
- Power failure Alarm to remind caregiver when power supply is interrupted
- Low pressure & Service Alarm to notify caretakers of an abnormal situation
- Transport mode quick connector
- Vapor permeable, water resistant and fire retardant cover minimises shear and friction
- Elegant zipper-all-around cover for easy maintenance and cleaning

## Specifications

### Pressure

Adjustable 10 level pressure range

### Air Output (lmp)

8 Litre/min

### Cycle Time (mins)

10, 15, 20, 25 selectable

### Mattress

8" x 20 Air bladders (cell-in-cell / cell-on-cell)

### Cell Material

Nylon / PU

### Weight Capacity

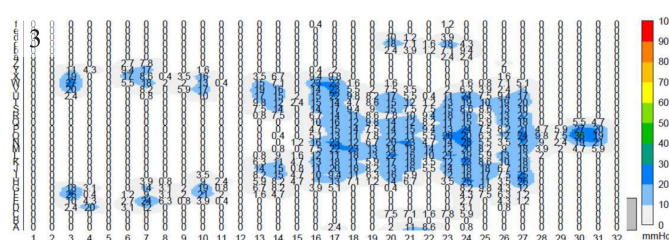
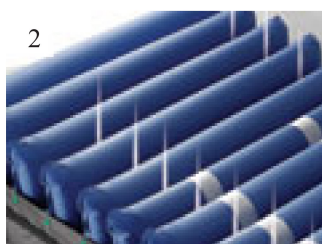
200kg

# EMERALD 320

Code: JBEME320



**Emerald 320** system is an effective alternating pressure relief mattress replacement system with advanced digital control technology. The pressure sensor technology ensures a consistent, desired low pressure support while preventing the incidents of bottoming out.



1. quick connectors    2. low air loss technology  
3. alternating pressure map (patient: 85kgs)

## Key Features

- Complete mattress replacement
- Suitable for medium to high risk patients and those with existing pressure ulcers (waterlow 15-19)
- Microprocessor controlled for simplicity, reliability and ease of use
- Multi therapy modes provide patient best pressure relief and comfort
- Smart pressure detection technology increase the pump's life expectancy
- Auto-recovery static function returns the mattress back to alternating mode
- Power failure Alarm to remind caregiver when power supply is interrupted
- Low pressure & Service Alarm to notify caretakers of an abnormal situation
- Transport mode quick connector
- Vapor permeable, water resistant and fire retardant cover
- Elegant zipper-all-around cover for easy maintenance and cleaning

## Specifications

### Pressure

Adjustable 10 level pressure range

### Air Output (lmp)

8 Litre/min

### Cycle Time (mins)

10, 15, 20, 25 selectable

### Mattress

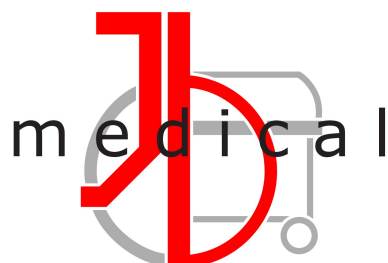
8" x 20 Air bladders (cell-in-cell / cell-on-cell)

### Cell Material

Nylon / PU

### Weight Capacity

200kg



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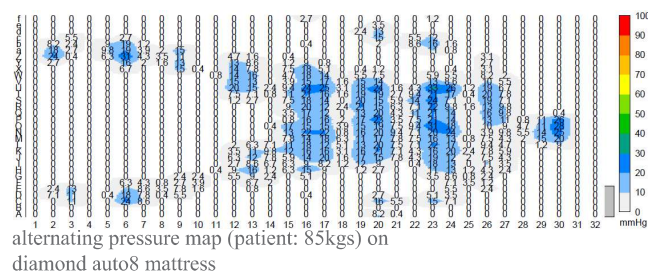


# DIAMOND AUTO

Overlay Code: JBDAUTO5  
Replacement Code: JBDAUTO8



**Diamond Auto** is an auto adjusting alternating pressure mattress designed with the very latest in microprocessor technology. This system automatically and accurately self-adjusts, providing optimal patient comfort.



## Key Features

- Available as an overlay or complete mattress replacement
- Mattress overlay is suitable for medium to high risk patients and those with existing pressure ulcers (waterlow 15-19)
- Mattress replacement is suitable for high to very high risk patients and those with existing pressure ulcers (waterlow 20+)
- Automatically adjusts mattress air pressure to match patient's weight (minimum weight of 40kgs)
- Therapy modes: Alternate, Static, Seat Inflation
- Transport mode by proprietary quick connector
- Visual and audible alarm to notify of the abnormal situation
- Vapour permeable, water resistant and fire retardant cover

## Specifications

### Pressure

Adjustable 10 level pressure range

### Air Output (lmp)

8 Litre/min

### Cycle Time (mins)

10 mins

### Mattress

8" x 20 Air bladders

### Cell Material

Nylon / PU

### Weight Capacity

Overlay mattress 160kg

Mattress replacement 200kg



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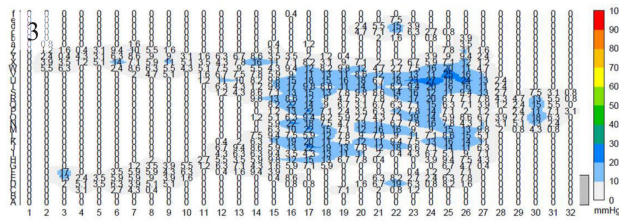
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**Onyx LAL** system is an effective true air loss pressure relief mattress system designed for both very high risk patients with existing pressure ulcers and skin sensitive patients. The system features a differential pressure zone surface that provides optimal pressure relief.



1. quick release CPR  
2. auto boost sensor pad  
3. alternating pressure map (patient: 85kgs)

## Key Features

- Complete mattress replacement
- Suitable for very high risk patients (waterlow 20+)
- Auto-tuning mode for smart system setup
- Automatic Fowler Boost provides additional support to the patient in upright position
- Differential pressure zones, for head, body and foot sections provide better pressure relief
- Emergency CPR deflation through quick connector within 10 seconds
- Power Failure alarm to remind caregiver when power supply is interrupted
- 10" side bolster provide more safety support
- Quick connector auto-detects ON/OFF and facilitates CPR deflation
- Storage vacuum mode for quick storage within 2 minutes

## Specifications

### Pressure

Adjustable 10 level pressure range

### Air Output (lmp)

Maximum airflow 1,300 Litre/min

### Mattress

8" Mattress with 10" side bolster

### Cell Material

Nylon / PU

### Weight Capacity

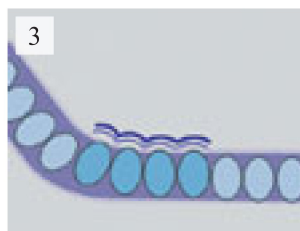
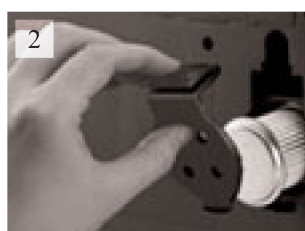
225kg

# PLATINUM MAX

Code: JBPLATMAX



**Platinum MAX** is an advanced alternating pressure relief system suitable for very high risk bariatric patients. The digital controlled pump unit with adjustable pressure and cycle times provide the patient with a comfortable pressure support.



1. digital control panel
2. large air filter intake
3. seat inflate

## Key Features

- Complete bariatric mattress replacement
- Suitable for very high risk bariatric patients (waterlow 20+)
- Suitable for patients up to 450kg
- Smart sensor technology with easy recognised graphic icons.
- AutoFirm function to inflate mattress quickly and facilitate patient to access.
- Low pressure indicator illuminates when the pre-set pressure is not reached.
- Panel Lock function prevents persons other than caretakers from changing the setting.
- Seat-Inflate function to assist patient to sit-up.
- Vapour permeable, water resistant and fire retardant cover

## Specifications

### Pressure

Adjustable 6 level pressure range

### Air Output (lmp)

20 Litre/min

### Cycle Time (mins)

10, 15, 20, 25 selectable

### Mattress

10" Mattress x 20 Air bladders

### Cell Material

Nylon / PU

### Weight Capacity

450kg



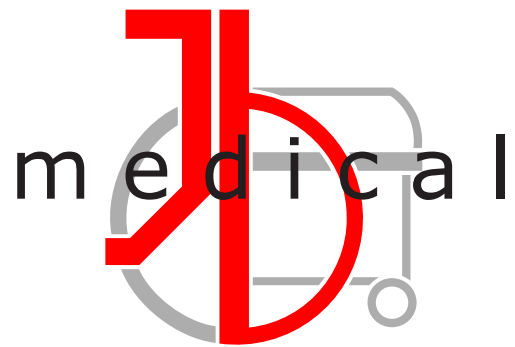
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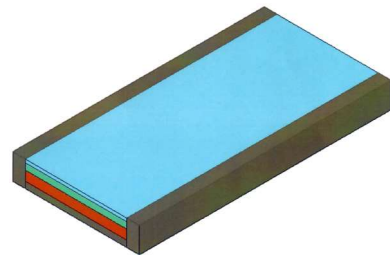
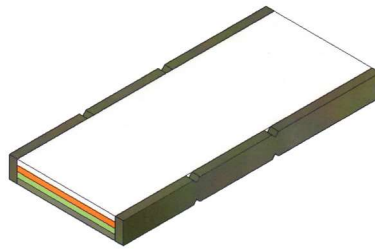
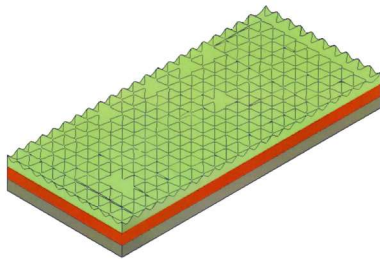
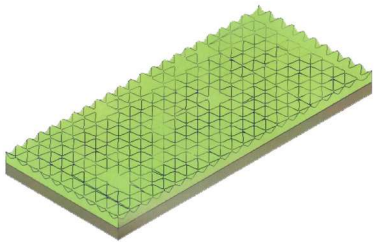
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## Foam Mattresses



# FOAM COMFORT

Code: JBFOAMC

## Key Features

- Suitable for patient's at risk of developing pressure ulcers
- Single sided
- 2 Layer support
- Incorporates convoluted overlay
- 2 way stretch cover top and non slip bottom
- 5 year warranty on foam
- 2 year warranty on cover

## Specifications

### Size

1980mm x 880mm x 150mm

### Layer 1

ST35-200

### Top Layer

HG39-140

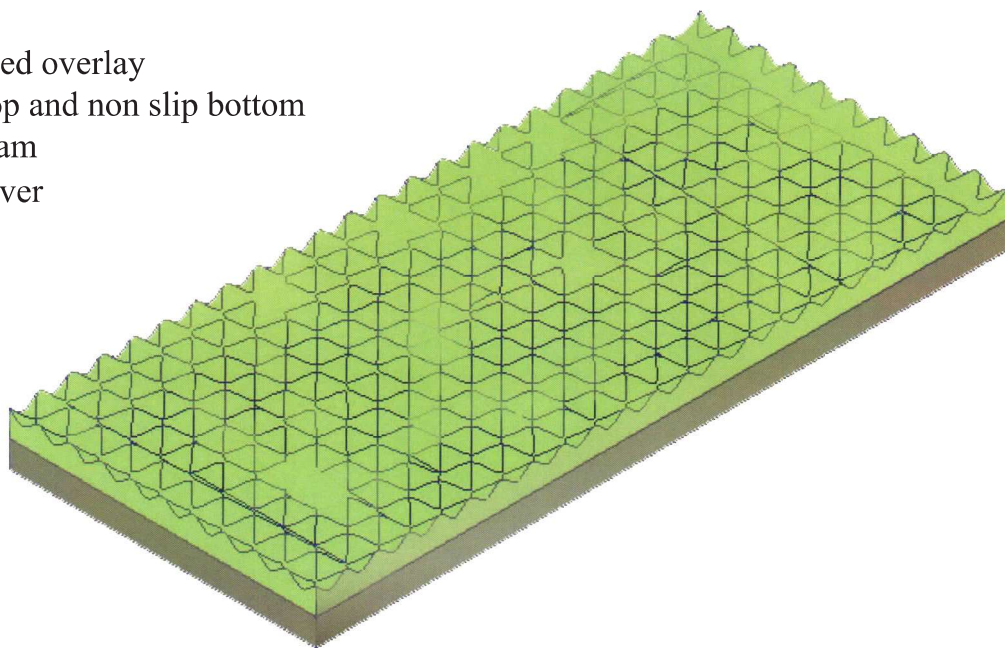
### Cover Material

2 Way Stretch

High Quality Full PU-topcoat

### Weight Capacity

150kg



**Foam Comfort** is a cost effective comfort mattress designed for use in all hospitals and nursing environments with patients at a risk of developing pressure ulcers. The mattress is constructed from 2 layers of Australian made and manufactured Dunlop foam. Foam Comfort has the added protection of Ultra-Fresh, a proven anti-microbial that inhibits the growth of bacteria, fungi, moulds and mildew and is effective against all top 15 bacteria indicated by the Centre for Disease Control in the USA, including Staphylococcus aureus.

The 4 layer fabric cover further protects patient's well being with a controlled release of silver ions to prevent bacterial growth.



Dunlop Foams use Ultra-Fresh, a performance anti-microbial which is incorporated into the foam during manufacture to produce a long-lasting, cleaner and fresher product. Ultra-Fresh helps prevent and control odour-causing bacteria and degradation that can be caused by mould and fungi.



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# FOAM RELIEF

Code: JBFOAMRL

## Key Features

- Suitable for patient's assessed to be at medium risk of developing pressure ulcers
- Single sided
- Multi 3 layer design for extra comfort incorporating a convoluted layer
- 2 way stretch cover top and non slip bottom
- 5 year warranty on foam
- 2 year warranty on cover

## Specifications

### Size

1980mm x 880mm x 150mm

### Layer 1

ST35-200

### Layer 2

HG39-170

### Top Layer

HG39-140

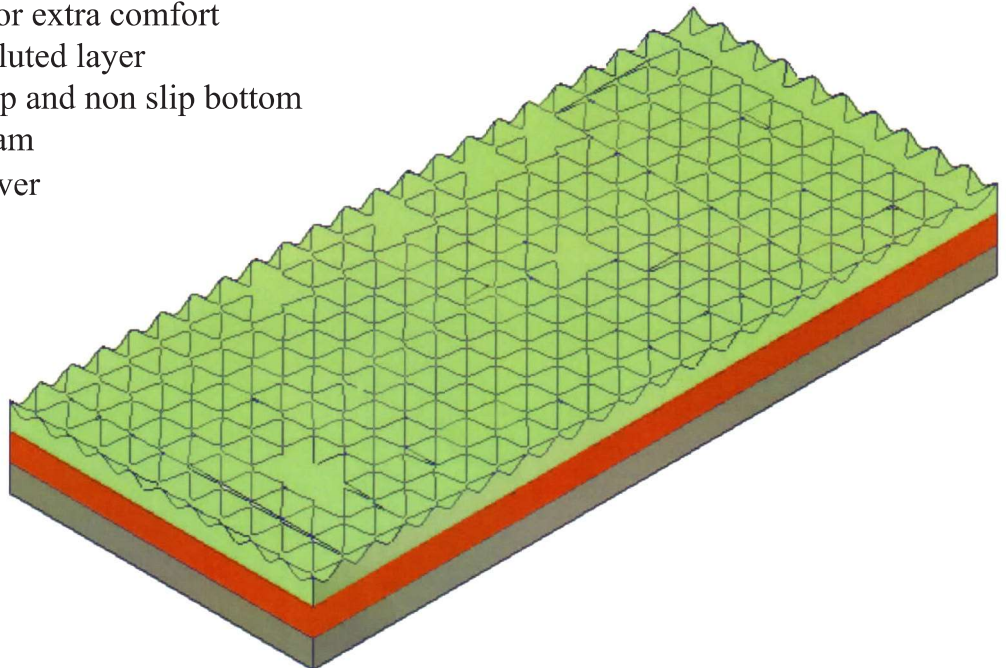
### Cover Material

2 Way Stretch

High Quality Full PU-topcoat

### Weight Capacity

150kg



**Foam Relief** is a pressure relieving mattress designed for use in all hospitals and nursing environments with patients assessed to be at a medium risk of developing pressure ulcers. The mattress is constructed from 3 layers of Australian made and manufactured Dunlop foam. Foam Relief has the added protection of Ultra-Fresh, a proven anti-microbial that inhibits the growth of bacteria, fungi, moulds and mildew and is effective against all top 15 bacteria indicated by the Centre for Disease Control in the USA, including Staphylococcus aureus.

The 4 layer fabric cover further protects patient's well being with a controlled release of silver ions to prevent bacterial growth.



Dunlop Foams use Ultra-Fresh, a performance anti-microbial which is incorporated into the foam during manufacture to produce a long-lasting, cleaner and fresher product. Ultra-Fresh helps prevent and control odour-causing bacteria and degradation that can be caused by mould and fungi.



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# FOAM RELIEF PLUS

Code: JBFOAMRLP

## Key Features

- Suitable for patient's assessed to be at high risk of developing pressure ulcers
- Single sided
- 4 comfort layers for maximum comfort
- Incorporating a full length overlay of ViscoLux
- Side formers built in with hinging profile
- 2 way stretch cover top and non slip bottom
- 5 year warranty on foam
- 2 year warranty on cover

## Specifications

### Size

1980mm x 880mm x 160mm

### Layer 1

ST35-200

### Layer 2

HG39-170

### Layer 3

HG39-140

### Top Layer

LR38-40

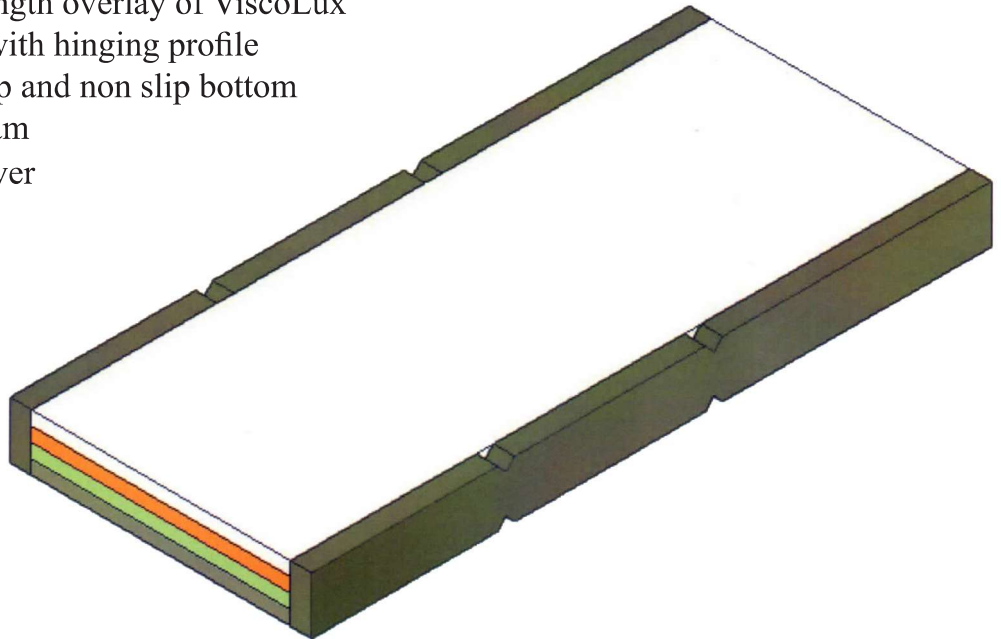
### Cover Material

2 Way Stretch

High Quality Full PU-topcoat

### Weight Capacity

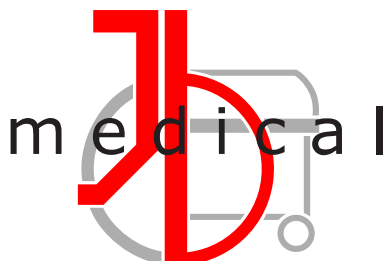
200kg



**Foam Relief PLUS** is the ultimate mattress in comfort and pressure relief. Designed for use in all hospitals and nursing environments with patients assessed to be at a high risk of developing pressure ulcers. The mattress is constructed from 4 layers of Australian made and manufactured Dunlop foam. Foam Relief PLUS has the added protection of Ultra-Fresh, a proven anti-microbial that inhibits the growth of bacteria, fungi, moulds and mildew and is effective against all top 15 bacteria indicated by the Centre for Disease Control in the USA, including Staphylococcus aureus. The 4 layer fabric cover further protects patient's well being with a controlled release of silver ions to prevent bacterial growth.



Dunlop Foams use Ultra-Fresh, a performance anti-microbial which is incorporated into the foam during manufacture to produce a long-lasting, cleaner and fresher product. Ultra-Fresh helps prevent and control odour-causing bacteria and degradation that can be caused by mould and fungi.



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## Key Features

- Suitable for bariatric patient's assessed to be at high risk of developing pressure ulcers
- Single sided
- 4 high density layers to support a maximum load of 360kg
- Side formers built in with hinging profile
- 2 way stretch cover top and non slip bottom
- 5 year warranty on foam
- 2 year warranty on cover

## Specifications

### Size

1980mm x 1070mm x 200mm

### Layer 1

ST35-200

### Layer 2

HG39-170

### Layer 3

HG39-140

### Top Layer

VF60-90

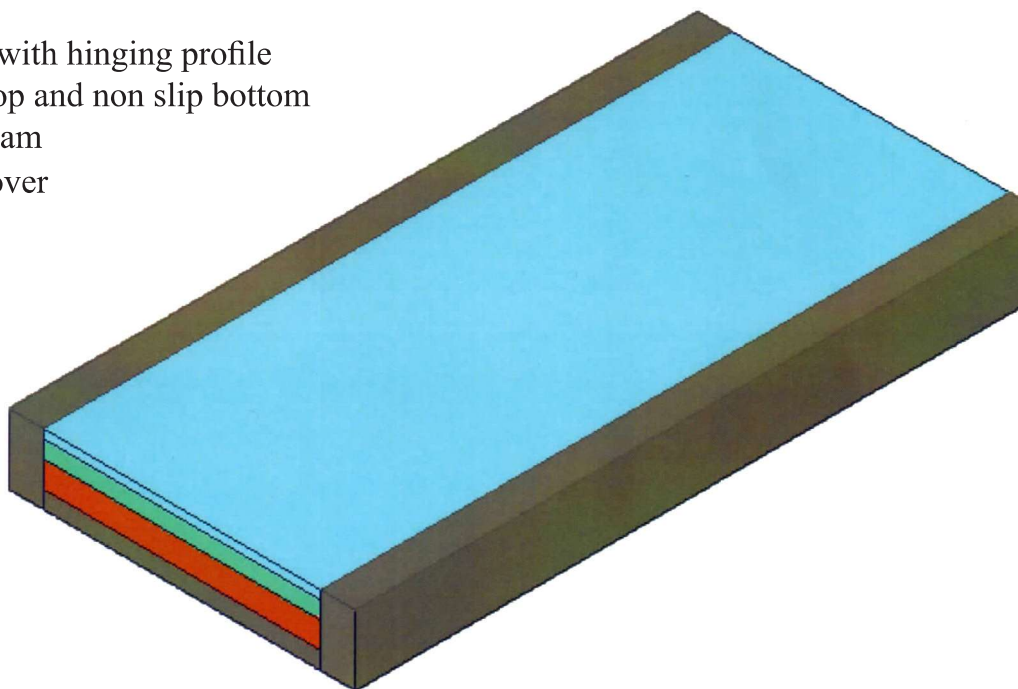
### Cover Material

2 Way Stretch

High Quality Full PU-topcoat

### Weight Capacity

360kg

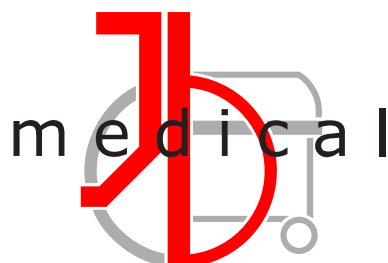


**Foam X** is for the comfort of bariatric patients requiring a pressure relief solution. As well as being suitable for bariatric beds requiring a wider mattress, a standard width sized mattress is also available. The mattress is constructed from 4 layers of Australian made and manufactured Dunlop foam. The Foam X has the added protection of Ultra-Fresh, a proven anti-microbial that inhibits the growth of bacteria, fungi, moulds and mildew and is effective against all top 15 bacteria indicated by the Centre for Disease Control in the USA, including Staphylococcus aureus.

The 4 layer fabric cover further protects patient's well being with a controlled release of silver ions to prevent bacterial growth.



Dunlop Foams use Ultra-Fresh, a performance anti-microbial which is incorporated into the foam during manufacture to produce a long-lasting, cleaner and fresher product. Ultra-Fresh helps prevent and control odour-causing bacteria and degradation that can be caused by mould and fungi.



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