



forté  
HEALTHCARE

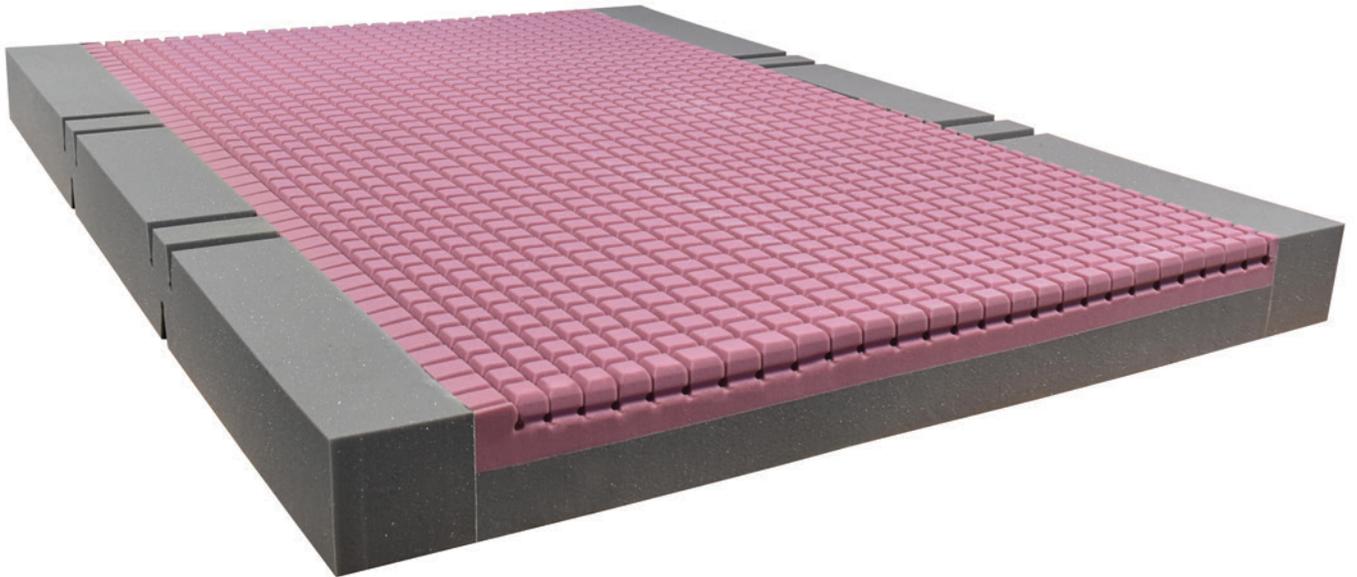


# AUREA VENTRAFLOW

Medium Care Pressure Care Mattress

The Forté Aurea Ventraflow provides excellent comfort, patient support and preventative pressure care. Deep immersion and micro-climate are achieved through the Ventraflow multi-zone modulation technology, which is unique to Forté Healthcare.

Constructed with foams only available from Forté and high performance cover materials, the Forté Aurea Ventraflow provides exceptional value with the uncompromised level of quality and performance.



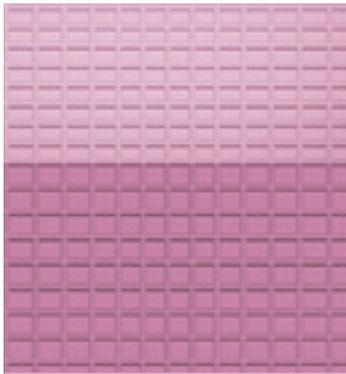
Aurea Ventraflow Mattress - Queen »



Premiflex Ultra Cover - Queen »

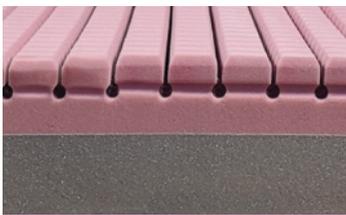
# FOAM CORE FEATURES

---



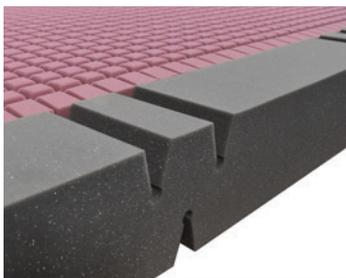
## VENTRAFLOW® MULTI-ZONE TECHNOLOGY IMMERSION INTERFACE LAYER

- » Individual profiled castellations within the immersion region cradle the patient and conform to bony prominences
- » Lateral and longitudinal air channels facilitate free movement of air throughout core improving internal micro-climate and reducing 'hot-spots'
- » Provides over three times greater internal air circulation, minimising internal heat entrapment and maximum moisture evacuation
- » Zoned to provide maximum patient support and immersion
- » Provides exceptional comfort and support for repositioning



## PREMIUM FIRM FOUNDATION LAYER

- » Provides protection against 'bottoming-out' during transfer, repositioning and whilst in the inclined/fowler position
- » Provides exceptional comfort, support for repositioning and patient care



## HINGED STRENGTHENED SIDES

- » Increase lateral stability of support surface
- » Improves patient safety and encourages central patient positioning
- » Make patient transfers easier
- » Unique hinge profile reduces foam fatigue and allow mattress to easily conform to varied bed positions
- » Enables ease of primary patient care



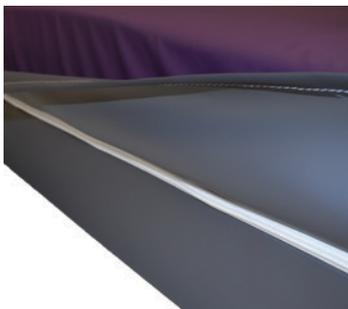
# COVER FEATURES

---



## PREMIFLEX ULTRA PREMIUM PRESSURE CARE COVER UPPER MATERIAL

- » High Performance, Single Sided Premiflex PFP1100 Pressure Care Polyurethane Upper Material
- » 4-Way/Bi-Directional stretch for shear protection, immersion & envelopment
- » Vapour permeable and breathable
- » Resistant to patient body fluids
- » Flexible and gentle to the skin
- » Superior resistance to cleaning agents
- » Standard Colour: Purple/Grape



## DOUBLE COATED POLYURETHANE BASE

- » Durable
- » Protects foam core against the bed base
- » Provides exceptional conformity and profiling to medical bed surfaces
- » Superior resistance to cleaning agents
- » Standard Colour: Deep Grey



## CLEANING & CARE

- » 10,000ppm disinfection chemical suitability
- » Wipe clean
- » Stain Resistant
- » Anti-microbial protected



## COMPLIANCE

- » Fire retardant, meets BS 6807 ignition source 5 and BS 7175 ignition source 5 standards
- » Anti-microbial protected
- » All seams high frequency welded, no exposed sewn seams
- » Meets and exceeds facility requirements
- » Material manufactured in Belgium, to Forté specification



## FULL VAPOUR PERMEABILITY

- » Allows vapour to travel right through the cover at a controlled rate
- » Reduces risk of internal infection entrapment and optimises core micro-climate



## CONSTRUCTION

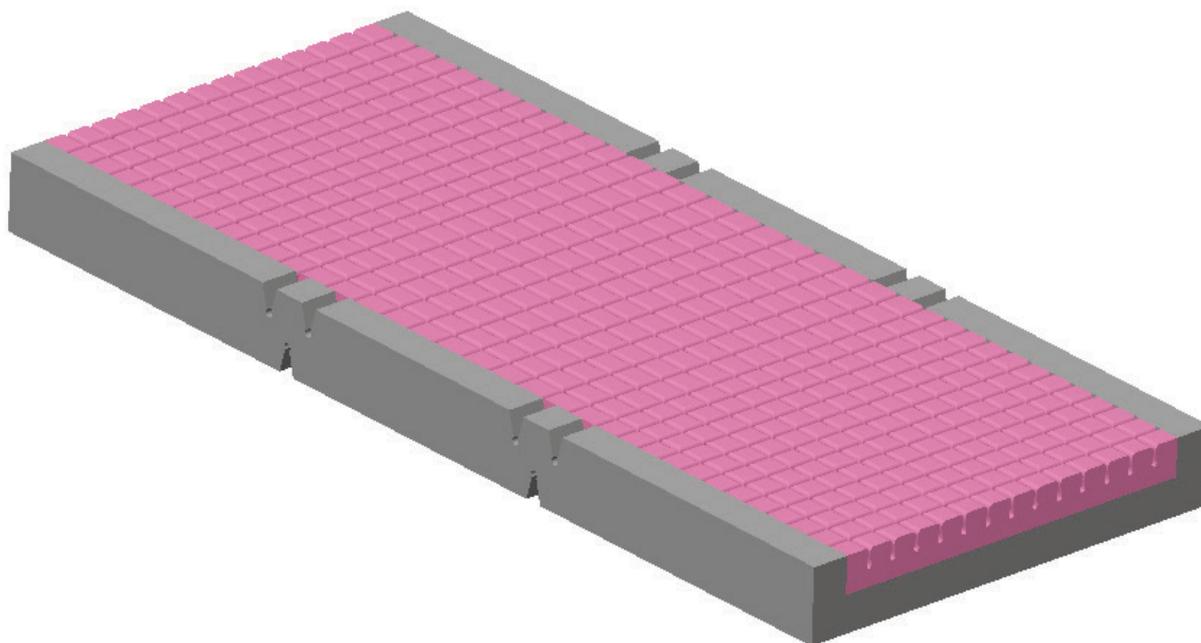
- » All seams high frequency sealed & welded
- » 180° / two-sided integrated zipper
- » Waterfall Fluid Penetration Flap
- » TGA Compliant Product Labelling



## WATERFALL ZIPPER PROTECTION FLAP

- » Protects additional protection against fluid ingress through zipper
- » Meets infection control guidelines

# SPECIFICATIONS



Code	Dimensions (L x W x D mm)	Size	Product Ratings	
<b>AUVS1000</b>	1980x880x150	Single	<b>Shear &amp; Friction</b>	0  -----  ●  -----  5
<b>AUVSL1000</b>	2030x880x150	Single, Long		
<b>AUVKS1000</b>	1980x1050x150	King Single	<b>Repositioning</b>	0  -----  ●  -----  5
<b>AUVKSL1000</b>	2030x1050x150	King Single, Long		
<b>AUVEW1000</b>	1980x1150x150	Extra-Wide	<b>Infection Control</b>	0  -----  ●  -----  5
<b>AUVEWL1000</b>	2030x1150x150	Extra Wide, Long		
<b>AUVD1000</b>	1980x1350x150	Double	<b>Firmness</b>	0  -----  ●  -----  5
<b>AUVDL1000</b>	2030x1350x150	Double, Long		
<b>AUVQ1000</b>	1980x1530x150	Queen	<b>Moisture &amp; Microclimate</b>	0  -----  ●  -----  5
<b>AUVQL1000</b>	2030x1530x150	Queen, Long		
<b>AUVK1000</b>	1980x1850x150	King	<b>Performance &amp; Longevity</b>	0  -----  ●  -----  5
<b>AUVKL1000</b>	2030x1850x150	King, Long		
-	Customise	To suit any bed platform	<b>Mobility &amp; Function</b>	0  -----  ●  -----  5
<b>Cover</b>		<b>Warranty</b>		
Premiflex Ultra		5 Year Foam Core 4 Year Cover	<b>Pressure Care Rating</b>	MEDIUM RISK
<b>Therapeutic Weight Range</b>			<b>Applications</b>	
40 - 250kg			» Hospital Wards » Aged Care » Homecare	

# CLINICAL PRESSURE MAPPING



SUPINE



## TEKSCAN PRESSURE MEASUREMENT

System: 7.20C	Rows: 104	Sensel Area: 2.89008cm <sup>2</sup>	Micro Second: 0
Sensor Type: 5400D	Cols: 34	Seconds per Frame: 2	Units: raw

## PRESSURE MAPPING PARAMETERS

Bed Surface: Alrick, 5 Function Electric Hospital Bed	Subject: 98kg, Male	Height: 188cm
Duration: Pressure Mapping was captured after 6 hours of subject laying upon support surface		Ambient Temperature: 21°C

Pressure Mapping measures the interface pressure between a support surface and its user. At Forté Healthcare we use the Tekscan Pressure Measurement System, a thin and flexible sensor which ensures minimal interference to the surface performance. The System helps to measure the pressure redistribution of a human body on the surface of our mattresses.

The Pressure Mapping images above demonstrate the pressure distribution of a 98kg male over a 6-hour period, shown in a variety of positions on the *Aurea Ventraflow Medium Care Pressure Care Mattress*.

Pressure Mapping aids us in the Research & Development of our products, allowing a close insight into areas of peak pressure on the body. Counter-control measures can therefore be taken to ensure peak pressures are successfully redistributed, thus mitigating the risk of pressure injuries.

Pressure Mapping is a commonly used tool in attaining clinical data on interface pressures, however Forté Healthcare acknowledges *"it cannot be used to conclude on internal stresses and the stress concentration levels in deep vascularized tissues, particularly muscles."*<sup>[1]</sup>

The example pressure mapping provided by Forté Healthcare is only intended for use as a clinical aid, *"rather than a replacement to clinical judgement."*<sup>[2]</sup>

[1] A. Gefen & J. Levine (2007) The false premise in measuring body-support interface pressures for preventing serious pressure ulcers, *Journal of Medical Engineering & Technology*, 31:5, 375-380, DOI: 10.1080/03091900601165256  
 [2] Dunk AM & Gardner A (2016) Body shape: a predictor for pressure injury risk, *Wound Practice and Research*, 24:2, 92-98, ISSN 2202-9729



forté  
HEALTHCARE



# AUREA MODULATED

Medium Care Pressure Care Mattress

The Forté Aurea Modulated mattress is ideal for low to medium care applications where support and comfort is essential. The Aurea is designed using full open-cell foam technology for improved micro-climate performance and air circulation within the foam core.

The Aurea is a Dual Density mattress with the Advantiflex Classic cover to provide Immersion, Micro-climate management and support for repositioning for individuals with Medium Risk of Pressure Injury.



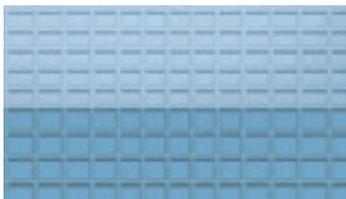
Aurea Modulated Mattress - Queen »



Advantiflex Classic Cover - Queen »

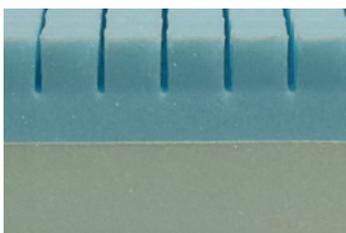
# FOAM CORE FEATURES

---



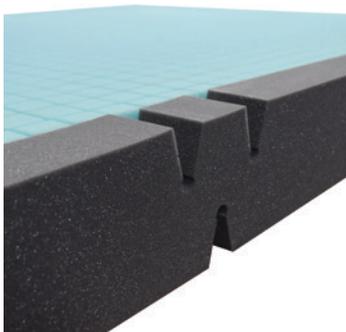
## TRIPLE ZONED MODULATED IMMERSION INTERFACE LAYER

- » Zoned to provide maximum patient support and immersion. Larger modulation in sacrum region and smaller modulations in scapular and heel regions.



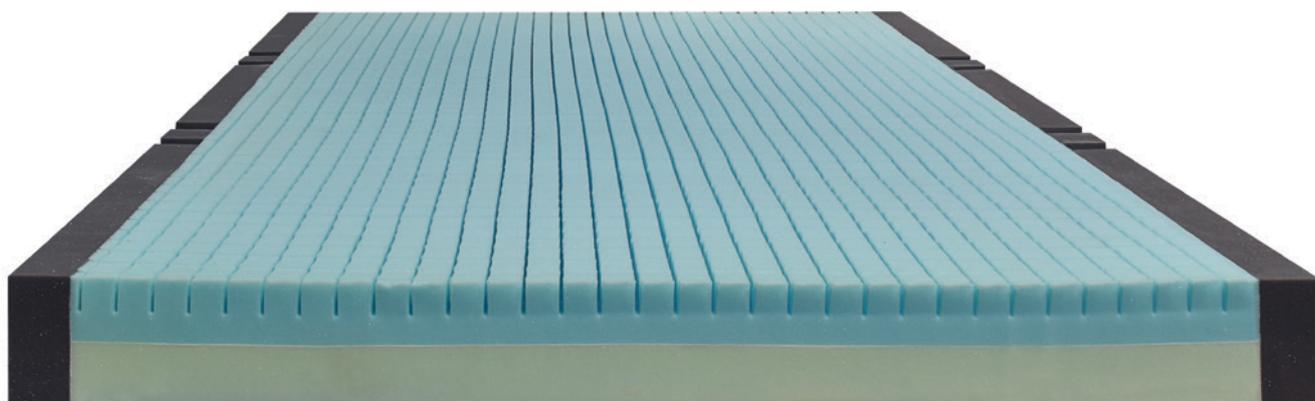
## PREMIUM FIRM FOUNDATION LAYER

- » Provides protection against 'bottoming-out' during transfer, repositioning and whilst in the inclined/fowler position
- » Provides exceptional comfort, support for repositioning and patient care



## HINGED STRENGTHENED SIDES

- » Increase lateral stability of support surface
- » Improves patient safety and encourages central patient positioning
- » Make patient transfers easier
- » Unique hinge profile reduces foam fatigue and allow mattress to easily conform to varied bed positions
- » Enables ease of primary patient care



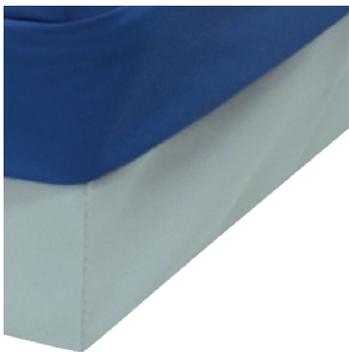
# COVER FEATURES

---



## ADVANTIFLEX CLASSIC PREMIUM PRESSURE CARE COVER UPPER MATERIAL

- » High Performance, Single Sided Polyurethane (PU1100)
- » 4-Way/Bi-Directional Stretch for Shear Protection, Immersion & Envelopment
- » Vapour permeable and breathable
- » Resistant to patient body fluids
- » Flexible and gentle to the skin
- » Standard Colour: Blue



## HEAVY DUTY BASE MATERIAL

- » 100% Waterproof
- » Heavy Duty, Robust & Hardwearing
- » Protects foam core against the bed base
- » Provides exceptional conformity and profiling to medical bed surfaces
- » Reduces shearing forces by sliding against bed base as the bed base profiles
- » Superior resistance to cleaning agents
- » Standard Colour: Grey



## CLEANING & CARE

- » 1,000ppm disinfection chemical suitability
- » Wipe clean
- » Stain Resistant
- » Anti-microbial protected



## COMPLIANCE

- » Fire retardant, meets BS 6807 ignition source 5 and BS 7175 ignition source 5 standards
- » Anti-microbial protected
- » All seams high frequency welded, no exposed sewn seams
- » Meets and Exceeds Facility Requirement
- » Materials manufactured in Belgium, to Forté specification.



## CONSTRUCTION

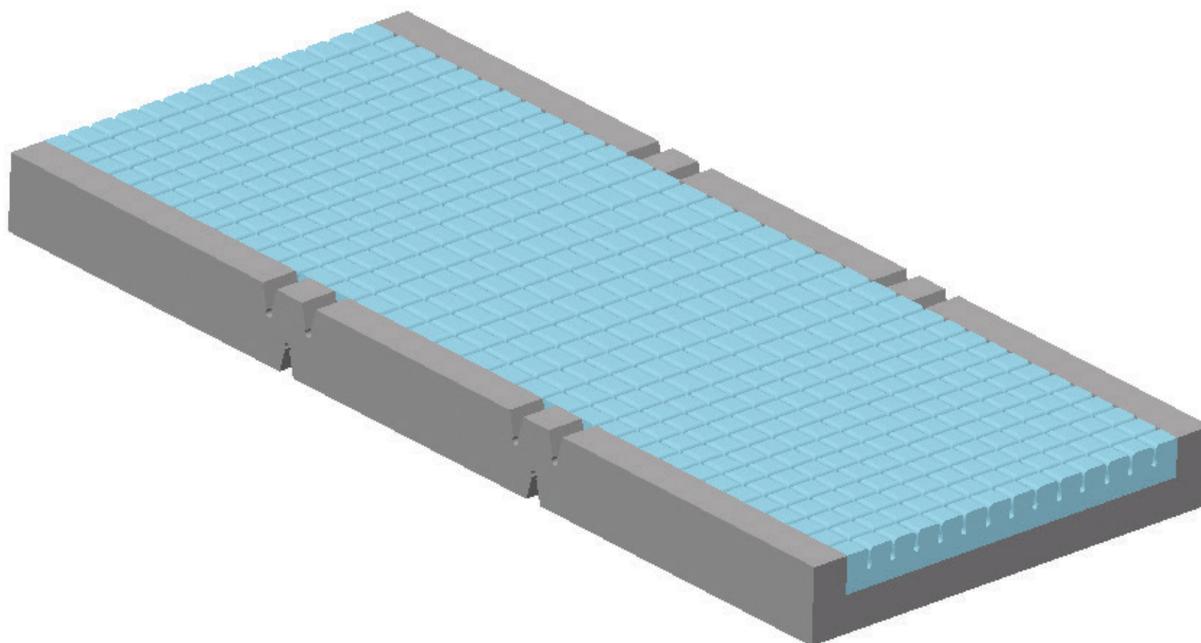
- » All seams high frequency sealed & welded to prevent ingress of fluid or infection
- » 180° / Two-Sided Zipper
- » Waterfall Fluid Penetration Flap
- » TGA Compliant Product Labelling



## WATERFALL ZIPPER PROTECTION FLAP

- » Protects additional protection against fluid ingress through zipper
- » Meets & exceeds infection control guidelines

# SPECIFICATIONS



Code	Dimensions (L x W x D mm)	Size	Product Ratings	
<b>AUS1000</b>	1980x880x150	Single	<b>Shear &amp; Friction</b>	0 ———— 5 ●
<b>AUSL1000</b>	2030x880x150	Single, Long		
<b>AUKS1000</b>	1980x1050x150	King Single	<b>Repositioning</b>	0 ———— 5 ●
<b>AUKSL1000</b>	2030x1050x150	King Single, Long		
<b>AUEW1000</b>	1980x1150x150	Extra-Wide	<b>Infection Control</b>	0 ———— 5 ●
<b>AUEWL1000</b>	2030x1150x150	Extra Wide, Long		
<b>AUD1000</b>	1980x1350x150	Double	<b>Firmness</b>	0 ———— 5 ●
<b>AUDL1000</b>	2030x1350x150	Double, Long		
<b>AUQ1000</b>	1980x1530x150	Queen	<b>Moisture &amp; Microclimate</b>	0 ———— 5 ●
<b>AUQL1000</b>	2030x1530x150	Queen, Long		
<b>AUK1000</b>	1980x1850x150	King	<b>Performance &amp; Longevity</b>	0 ———— 5 ●
<b>AUKL1000</b>	2030x1850x150	King, Long		
-	Customise	To suit any bed platform	<b>Mobility &amp; Function</b>	0 ———— 5 ●
<b>Cover</b>		<b>Warranty</b>		
Advantiflex Classic		5 Year Foam Core 2 Year Cover	<b>Pressure Care Rating</b>	MEDIUM RISK
<b>Therapeutic Weight Range</b>			<b>Applications</b>	
40 - 180kg			» Hospital Wards » Aged Care » Homecare	

# CLINICAL PRESSURE MAPPING



SUPINE



## TEKSCAN PRESSURE MEASUREMENT

System: 7.20C	Rows: 104	Sensel Area: 2.89008cm <sup>2</sup>	Micro Second: 0
Sensor Type: 5400D	Cols: 34	Seconds per Frame: 2	Units: raw

## PRESSURE MAPPING PARAMETERS

Bed Surface: Alrick, 5 Function Electric Hospital Bed	Subject: 98kg, Male	Height: 188cm
Duration: Pressure Mapping was captured after 6 hours of subject laying upon support surface		Ambient Temperature: 21°C

Pressure Mapping measures the interface pressure between a support surface and its user. At Forté Healthcare we use the Tekscan Pressure Measurement System, a thin and flexible sensor which ensures minimal interference to the surface performance. The System helps to measure the pressure redistribution of a human body on the surface of our mattresses.

The Pressure Mapping images above demonstrate the pressure distribution of a 98kg male over a 6-hour period, shown in a variety of positions on the *Aurea Modulated Medium Care Pressure Care Mattress*.

Pressure Mapping aids us in the Research & Development of our products, allowing a close insight into areas of peak pressure on the body. Counter-control measures can therefore be taken to ensure peak pressures are successfully redistributed, thus mitigating the risk of pressure injuries.

Pressure Mapping is a commonly used tool in attaining clinical data on interface pressures, however Forté Healthcare acknowledges *"it cannot be used to conclude on internal stresses and the stress concentration levels in deep vascularized tissues, particularly muscles."*<sup>[1]</sup>

The example pressure mapping provided by Forté Healthcare is only intended for use as a clinical aid, *"rather than a replacement to clinical judgement."*<sup>[2]</sup>

[1] A. Gefen & J. Levine (2007) The false premise in measuring body-support interface pressures for preventing serious pressure ulcers, Journal of Medical Engineering & Technology, 31:5, 375-380, DOI: 10.1080/03091900601165256  
 [2] Dunk AM & Gardner A (2016) Body shape: a predictor for pressure injury risk, Wound Practice and Research, 24:2, 92-98, ISSN 2202-9729



GLOBAL TECHNOLOGY  
AUSTRALIAN MADE

All mattresses are made by  
Forté Healthcare in Armidale  
NSW in accordance with all  
Australian manufacturing  
and clinical standards.