



forté
HEALTHCARE

ALAISE

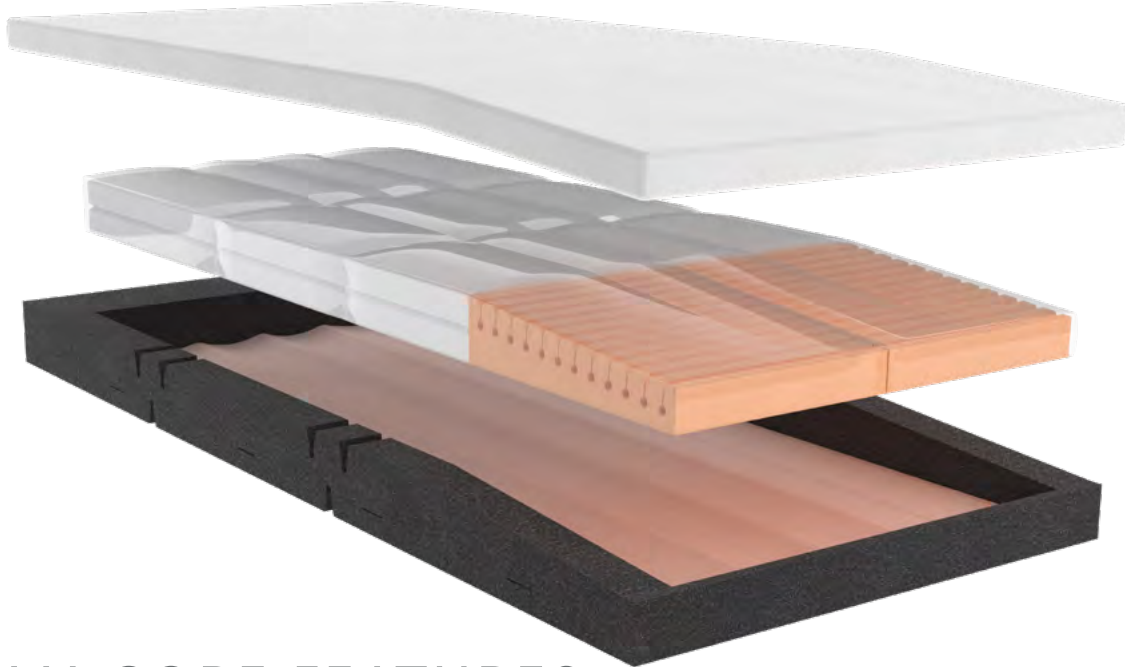
Advanced Hybrid Static Care Support Surface

ALAISE ADVANCED HYBRID STATIC CARE SUPPORT SURFACE

The Forté Alaise is an advanced Hybrid Static Care Support Surface combining together the pressure redistribution benefits of both foam and air.

Utilising a series of 13+ individual Air Cells, it offers excellent comfort, anatomical support and pressure redistribution.

The Alaise is ideal for long-term care applications where maximum pressure care is required with virtually zero maintenance.

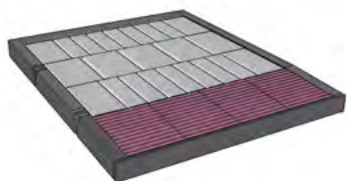


FOAM CORE FEATURES



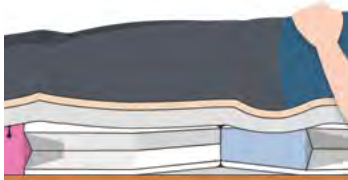
4 x ANATOMICALLY ZONED AIR CELL STRUCTURE

- » Scapular, Pelvic, Thigh & Heel Zones
- » Maximum contact area is achieved using 5 separate 'banks' of air cells arranged in zones corresponding to anatomical locations, and a total of 13 individual, self-regulating air cells (on a single)
- » Each bank provides tailored immersion and envelopment relative to the specific size and weight of the individual.
- » Many systems currently in the market have very little control as to where the air can travel, throughout the entire mattress, and in particular side to side. Air within the Alaise is contained into cells horizontally (4+ Across) to maintain lateral stability and vertically (scapular, pelvic, calf and heel) which are preventing air 'running away' to uncontrolled areas of the mattress



FULL LENGTH & WIDTH PRESSURE CARE SURFACE

- » Many Static Air Systems do not include the Heel section of the mattress as part of the Air System, where the air cells stop at the calf area. The Alaise incorporates air cells from head to foot
- » The Alaise will include a Full Width Air System across all sizes from Single through to Queen and King, therefore Pressure Care is then guaranteed
- » No matter where an individual is situated on the mattress and no matter what size mattress is used, the Alaise has been designed to always have the air cells across the full width of the mattress



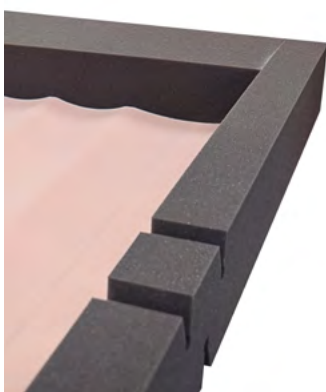
SUPPORT / ANTI-SHEAR RESERVOIR

- » Allows some air from the sacral region to redistribute to the posterior of the knee
- » The knee pit or popliteal is typically an area of the body that is not in contact with the support surface



SLOPED HEEL PRESSURE TRANSFER & PROTECTION ZONE

- » The Calcanei (heels) is one of the most susceptible areas of the body for a Pressure Injury to develop (accounting for approximately 40%)
- » The Alaise ensures that the heels are fully protected with dedicated air cells incorporating a heel slope with a softer Immersion area
- » Heel slope offloads pressure from the patient's heels and transfers it to calf area
- » Unobtrusive, does not require any adjustment



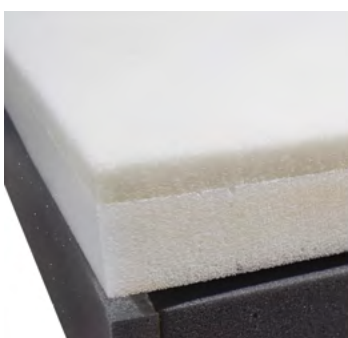
PREMIUM FIRM FOUNDATION LAYER & HINGED STRENGTHENED SIDES

- » Increase lateral stability of support surface
- » Improves patient safety and encourages central patient positioning
- » Enables ease of primary patient care & makes patient transfers easier
- » Unique hinge profile sides reduce foam fatigue and allows mattress to easily conform to varied bed positions
- » Provides protection against 'bottoming-out' during transfer, repositioning and whilst in the Inclined/Fowler position
- » Provides exceptional comfort, support for repositioning and patient care
- » Provides protection to air system from bed base



SUPER SHEAR INNER COVER

- » Low friction, Anti-Shearing Inner cover compartmentalised to segregate the modular regions of the Alaise in turn delivering a series of shear reduction levels
- » Dramatically reduces shearing forces at the patient interface
- » Fine stretch Lycra based material is wrinkle free and conforms to varied bed positions
- » Provides additional protection to the mattress core



AIROFORM RESPONSE IMMERSION INTERFACE LAYERS

- » High open-cell elasticity for temperate stability and to maximise functionality and patient mobility
- » Maximises Patient contact with Support Surfaces Providing Pressure Redistribution
- » Alleviates localised pressure points
- » Anti-microbial treatment applied to foam maximises longevity and core Micro-Climate
- » Conforms to EPUAP, NPUAP & PPPIA Guidelines for quality and comfort
- » Firmness: Unique combination of Soft & Medium



EASY MAINTENANCE

- » A non-powered, self-regulating system means there is minimal or no training required for set up. There are no settings that need to be adjusted between patient body types or weight
- » Every component is modular and replaceable for low ongoing operational costs
- » 360° access zipper for ease of maintenance

COVER FEATURES

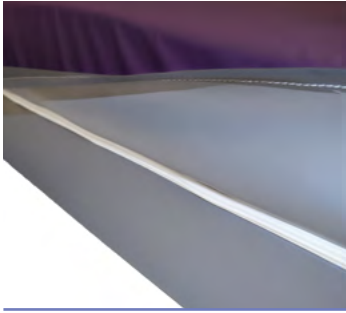


PREMIFLEX ULTRA PREMIUM BREATHE PRESSURE CARE COVER



PREMIFLEX PREMIUM PRESSURE CARE UPPER MATERIAL

- » Premiflex PFPU1100 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



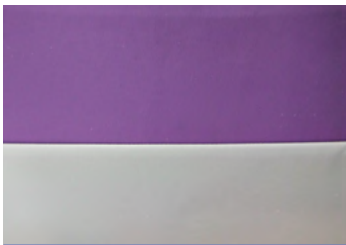
HEAVY DUTY BASE MATERIAL

- » 100% Waterproof
- » Double Coated Premiflex PFPU1200 Polyurethane Base Material
- » 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

- » 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

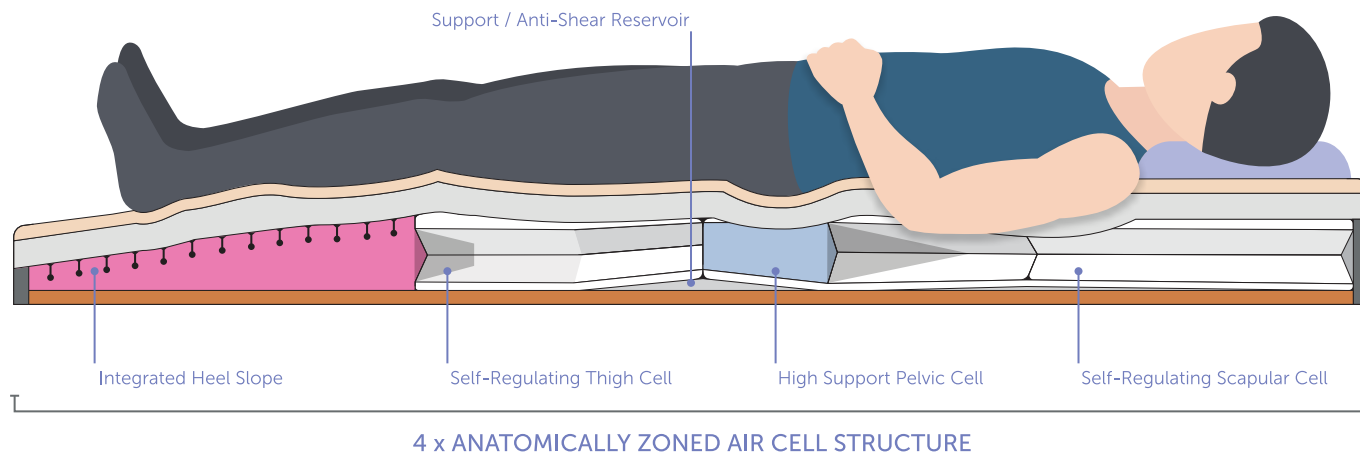
- » All seams high frequency sealed & welded
- » 360° / Four-sided integrated zipper
- » Waterfall Fluid Penetration Flap
- » TGA Compliant Product Labelling



WATERFALL ZIPPER PROTECTION FLAP

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

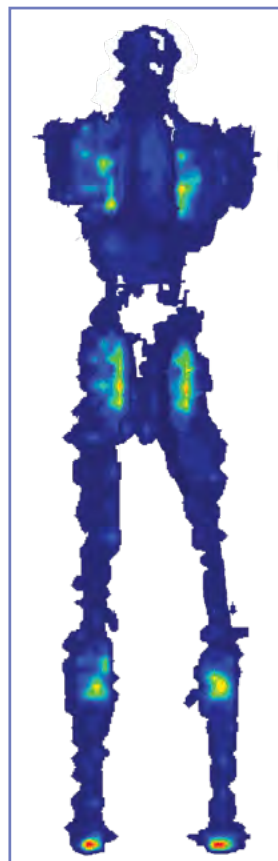
SPECIFICATIONS



FULLY CUSTOMISABLE SIZING

Code	Dimensions (L x W x D mm)	Size	Product Ratings	
ALS1000	1980x880x185	Single	Shear & Friction	0 ————— 5
ALSL1000	2030x880x185	Single, Long		
ALKS1000	1980x1050x185	King Single	Repositioning	0 ————— 5
ALKSL1000	2030x1050x185	King Single, Long		
ALEW1000	1980x1150x185	Extra-Wide	Infection Control	0 ————— 5
ALEWL1000	2030x1150x185	Extra-Wide, Long		
ALD1000	1980x1350x185	Double	Firmness	0 ————— 5
ALDL1000	2030x1350x185	Double, Long		
ALQ1000	1980x1530x185	Queen	Moisture & Microclimate	0 ————— 5
ALQL1000	2030x1530x185	Queen, Long		
ALK1000	1980x1850x185	King	Performance & Longevity	0 ————— 5
ALKL1000	2030x1850x185	King, Long		
-	Customise	To suit any bed platform	Mobility & Function	0 ————— 5
Cover		Warranty		
Premiflex Ultra with Four Sided Zipper & Carry Handles		5 Year Foam Core / 4 Year Cover 5 Year Air Cell	Pressure Care Rating	HIGH - VERY HIGH RISK
Therapeutic Weight Loading			Applications	
250kg			» Hospital Wards » Long-Term / Homecare » Aged Care » Palliative Care	

CLINICAL PRESSURE MAPPING



SUPINE



TEKSCAN PRESSURE MEASUREMENT

System: 7.20C	Rows: 104	Sensel Area: 2.89008cm ²	Micro Second: 0
Sensor Type: 5400D	Cols: 34	Seconds per Frame: 0.010319	Units: mmHg

PRESSURE MAPPING PARAMETERS

Bed Surface: Alrick, 2001WMKII Series Bed	Relative Humidity: 51%	Ambient Temperature: 21°C	Height: 178cm
Subject: 81kg, RESNA/NPIAP 50th percentile male mannequin	Duration: Pressure Mapping was captured after 6 hours of subject laying upon support surface		

Pressure Mapping for the *Alaise* was completed using the RESNA/NPIAP 50th Percentile Male Mannequin. The test dummy is manufactured in such a way that the major bony prominences of the human body are exaggerated, exhibiting peak pressure with no soft tissue. It would seem an initial PM view of the bony prominences (Occiput, Scapula, Sacrum, Heels etc.) appears excessive for a short interval however, the human body in fact becomes exponentially more vulnerable for these 'at-risk' regions over a longer interval with the *"Damage-Spiral Initial Direct Deformation of the skin leading to Internal Inflammatory Response and then Ischemia,"*^[1] At Forté Healthcare we utilise this Pressure Mapping test, employing the use of the RESNA Mannequin, as an essential tool in our Research & Development, ensuring every customer has a Support Surface performing to its peak. Additionally we can help minimise prevalence of Pressure Injuries.

Please note: 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 vascularised tissues, particularly muscles."*^[2] The Pressure Mapping example provided by Forté Healthcare is only intended for use as a clinical aid, *"rather than a replacement to clinical judgement."*^[3]

[1] Gefan A. The future of pressure ulcer prevention is here: Detecting and targeting inflammation early, EWMA Journal 2018 19(2)

[2] 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

[3] 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.