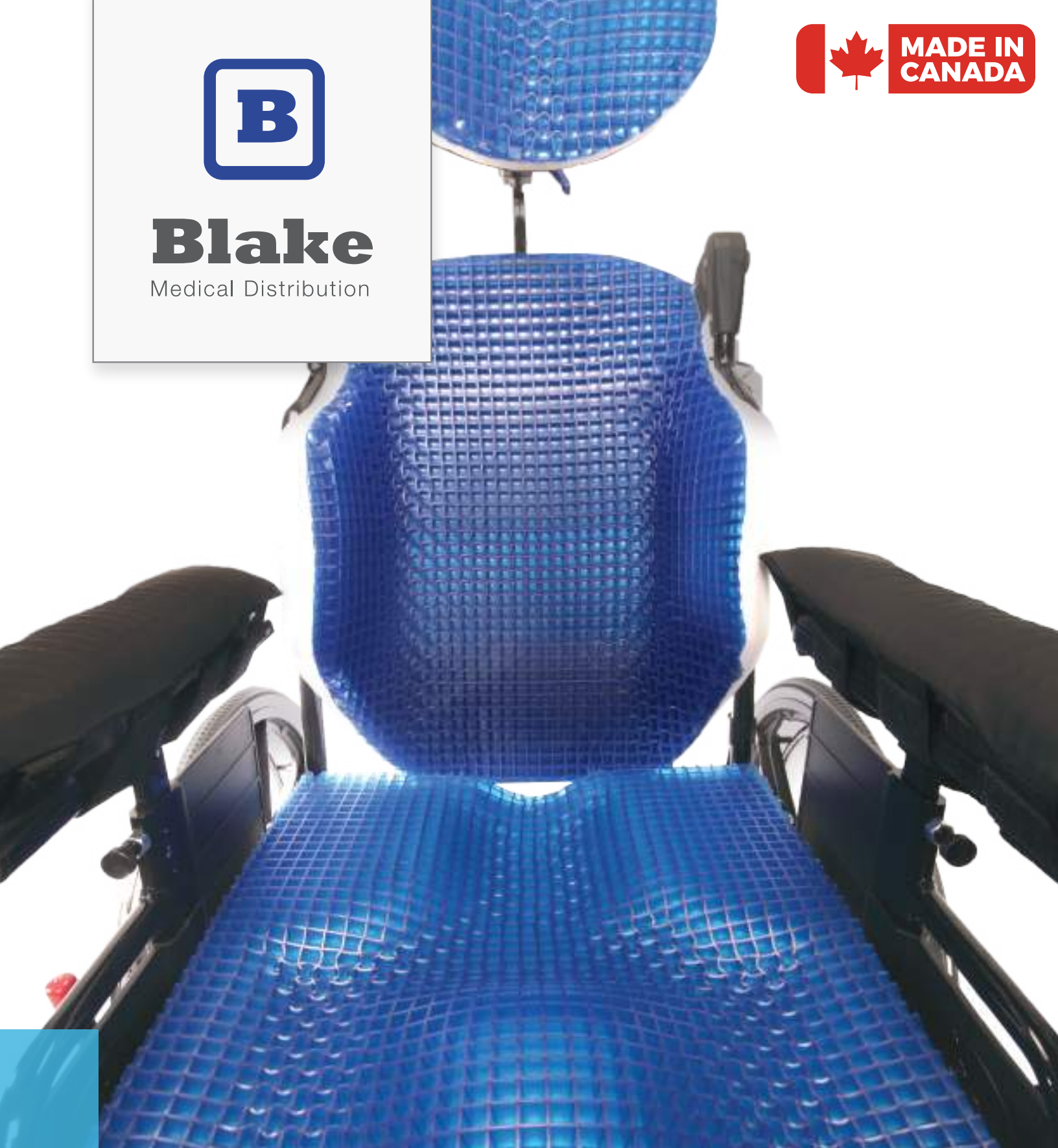




**Blake**

Medical Distribution



WHEELCHAIR SEAT CUSHIONS

**SIT HAPPY**

# THE GEO-MATRIX™ SEATING SYSTEM

Immersive Comfort \* Durable \* Low Maintenance \* Fluid-Proof \* No Calibration \* Dynamic

## How does Geo-Matrix™ Gel work?

Geo-Matrix™ gel columns support a certain amount of weight. When this threshold has been met, the columns collapse to allow for gentle immersion.

This immersion increases the surface area of the user's footprint or "bumprint", which greatly reduces pressure. This increase in surface area also improves blood flow to stimulate wound healing.

Peak pressure points are largely reduced through the columns ability to load share. As bony prominences contact the columns, the load is distributed through their neighbouring columns.

This load share ensures more contact points to once again create a large area for redistribution. Multiple Geo-Matrix™ gel columns create

segmentation. This segmentation greatly reduces shear by decreasing the interface pressure when users move or transfer across the surface.

Along with its pressure redistribution and shear reduction qualities, the Geo-Matrix™ gel has superior vibration dampening capabilities. The combination of dry polymer gel paired with the geometry of the gels columns, results in unique vibration dampening capabilities.

All wheelchair users, specifically those using powerchairs, undergo continuous vibration. This whole-body vibration (WBV) can lead to; muscle fatigue, degenerative disc disease, hear murmurs and digestive problems, among many others.

## Geo-Matrix™ vs. The Competition

	All Gel Geo-Matrix™ Cushions	Foam/Gel Geo-Matrix™ Cushions	Competitor's Foam Cushions	Air Filled Cushions
Easy to disinfect /Wipeable	✓	✓		✓
Machine Washable	✓	✓		
Proven pressure redistribution for prevention & treatment of Stage I-IV wounds	✓	✓		✓
Worry-free comfort - No risk of punctures, leaks or oozing	✓	✓	✓	
Calibration Free	✓	✓	✓	
On site customization	✓	✓		
Pressure management not affected by temperature	✓	✓		
Shear reduction	✓	✓		✓
Vibration dampening	✓	✓		
Canadian Made	✓	✓		
2 fluid-proof covers included (standard)	✓	✓	✓	
Lightweight	✓	✓	✓	✓
Effective no matter the cushions orientation (even upside down)	✓			
Postural Stability	✓	✓	✓	
Cushion has shape or contour		✓	✓	

# Geo-Matrix™ Gel Sheets



**DID YOU KNOW?**  
You can use Geo-Matrix™ gel sheets independently in these applications:

- Custom seating
- Bath tub pads
- Lift chair pads
- Vehicle seating
- Backrests
- Pillows
- Vibration dampening base layer
- Custom wheelchair accessories
- Hand contractors
- Commode pads
- Endless possibilities
- Heel pads



**Pillowtop - Softest**  
¾"x24"x28",  
GRSPT(+size),  
GRSPTS(+size)\*



**Green - Medium**  
1"x20"x25",  
GRSG(+size),  
GRSGS(+size)\*



**Blue - Firm**  
1"x20"x25",  
GRSB(+size),  
GRSBS(+size)\*



**Purple - Firmest**  
1"x20"x25",  
GRSP(+size),  
GRSPS(+size)\*



**Blue Mattress – Medium**  
1.5"x20"x25", GRSBM(+size)



**Purple Mattress – Firm**  
1.5"x20"x25", GRSPM(+size)

Use mattress gel when deeper immersion is required for single layer solutions

## Adhering your gel?

Get it scrimmed! **Scrim** is a lycra material that is laminated directly onto your sheet of Geo-Matrix™ Gel. The **Scrim** makes the gel sheet capable of being adhered to any foam surface.

## Need more air flow?

If you require to have more air flow in your seating system, request your sheet **Scraped**. This means that the back layer of gel will be removed from your sheet, exposing only the gel columns.

## How to Order

Example:  
Pillow top sheet with both scrim and scraped backing = (GRSPT**SSP**2428)  
**S** = Scrimed **SP** = Scraped

## Geo-Matrix™ Cushion Covers

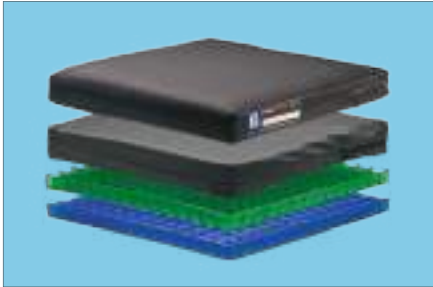
Fluid-Proof and Easily Cleaned



	Outer Cover	Inner Cover
Wipeable		✓
4 way stretch	✓	✓
Machine Washable	✓	✓
Infection Control Lip Over Zipper	✓	
Customizable	✓	✓
Fluid Proof	✓	✓
E-Z Pull Zipper	✓	
Non-Slip Base	✓	
Antimicrobial	✓	✓
Anti-bacterial	✓	✓
Anti-Fungal	✓	✓
Meets Cal 117 Bulletin	✓	✓
Latex free	✓	✓

# Geo-Matrix™ Gel Cushions

\*Vibration Dampening \*Pressure Redistributing \* Machine Washable



**Bronze GB(+Size)** Weight Cap: 200lbs Cushion Height: 2"

**Construction:** 2 gel layers; Blue (bottom), Green (top)

**Indications:**

- Active users
- Low risk users
- Vibration control
- Client has the ability to weight shift



**Silver GS(+Size)** Weight Cap: 200lbs Cushion Height: 2.75"

**Construction:** 3 gel layers; Blue (bottom), Green (middle), Pillowtop (Top)

**Indications:**

- Prevention & treatment Stage I-IV pressure injuries
- Clients at high risk of skin breakdown or with existing wounds
- Superior vibration control
- Client incapable of repositioning themselves
- Commonly used with power or tilt chairs
- Often used in long term care where frequent cleaning is required
- Can be customized by user or caretaker with ease
- Shear reduction

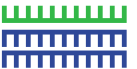


**Gold GG(+Size)** Weight Cap: 250lbs Cushion Height: 3"

**Construction:** 3 gel layers; Blue (bottom), Blue (middle), Green (top)

**Indications:**

- Prevention & treatment Stage I-IV pressure injuries
- Clients at high risk of skin breakdown or with existing wounds
- Superior vibration control
- Client incapable of repositioning themselves
- Commonly used with power or tilt chairs
- Often used in long term care where frequent cleaning is required
- Can be customized by user or caretaker with ease
- Shear reduction

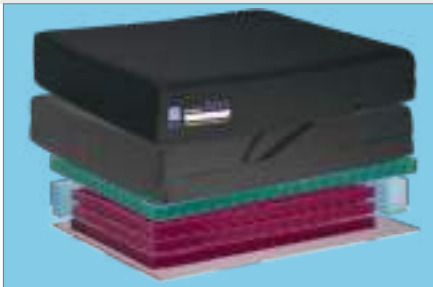


**Gold+ GG(+Size)** Weight Cap: 300lbs Cushion Height: 3"

**Construction:** 3 gel layers; Blue (bottom), Blue (middle), Blue (top)

**Indications:**

- Prevention & treatment Stage I-IV pressure injuries
- Clients at high risk of skin breakdown or with existing wounds
- Superior vibration control
- Client incapable of repositioning themselves
- Commonly used with power or tilt chairs
- Often used in long term care where frequent cleaning is required
- Can be customized by user or caretaker with ease
- Shear reduction



**Bold GBO(+Size)** Weight Cap: 600lbs Cushion Height: 4.25"

**Construction:** Closed cell foam base followed by 4 gel layers; Purple (bottom), Purple (middle), Purple (Middle), Green (top). All purple layers are surrounded by a sturdy foam boarder.

**Indications:**

- Prevention & treatment Stage I-IV pressure injuries
- Superior vibration dampening
- Client may have limitations in weight shifting
- Commonly used on power chairs
- Shear reduction
- Durable option for Bariatric clients looking for a flat immersive cushion



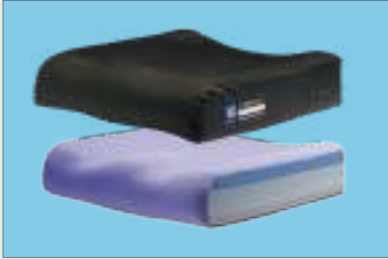
**Standard sizes:** All Dimensions available.

**Our cushions come in the following standard sizes:**

- 16x16 ● 16x18 ● 16x20 ● 18x16 ● 18x18 ● 18x20 ● 20x16 ● 20x18 ● 20x20 ● 22x16 ● 22x18 ● 22x20

# Geo-Matrix™ Foam & Gel

\*Postural Support \* Pressure redistributing \* Lightweight



## Zentury Z(+Size) Weight Cap: 275lbs Cushion Height: 4"

**Construction:** Dual high density foam base, with a high impact memory foam core and a gel infused memory foam topper.

- Indications:**
- Extra postural support
  - Wound prevention
  - Active users
  - Lightweight
  - Heat reduction



## Hybrid GH(+Size) Weight Cap: 275lbs Cushion Height: 3.5"

**Construction:** Closed cell foam base, dual high-density foam core with a firm sacral shelf and pillowtop gel topper

- Indications:**
- Moderate postural support
  - Prevention & treatment Stage I-IV pressure injuries
  - Ideal for clients who self transfer
  - Shear reduction
  - Moderate vibration control



## Hybrid Low Pro GHLP(+Size) Weight Cap: 250lbs Cushion Height: 2.5"

**Construction:** Closed cell foam base, dual high-density foam core with a firm sacral shelf and pillowtop gel topper

- Indications:**
- Moderate postural support
  - Clients with existing skin issues or at moderate risk for skin breakdown
  - Ideal for clients who self transfer
  - Shear reduction
  - Moderate vibration control
  - Good alternative to the Hybrid if a low floor to seat height is required



## Hybrid Deep GHD(+Size) Weight Cap: 275lbs Cushion Height: 3.5"

**Construction:** Closed cell foam base, dual high-density foam core with a firm ischial and sacral shelf and pillowtop gel topper

- Indications:**
- Robust postural support
  - Prevention & treatment Stage I-IV pressure injuries
  - Ideal for clients who slump or slide
  - Shear reduction
  - Moderate vibration control
  - Great for boney ischial tuberosities
  - Commonly used in tilt chairs



## Hybrid Deep Low Pro GHDLP(+Size) Weight Cap: 250lbs Cushion Height: 2.5"

**Construction:** Closed cell foam base, dual high-density foam core with a firm ischial and sacral shelf and pillowtop gel topper

- Indications:**
- Robust postural support
  - Clients with existing skin issues or at moderate risk for skin breakdown
  - Ideal for clients who slump or slide
  - Shear reduction
  - Moderate vibration control
  - Great for boney ischial tuberosities
  - Good alternative to the Hybrid Deep if a low floor to seat height is required



## Platinum GP(+Size) Weight Cap: 275lbs Cushion Height: 3.75"

**Construction:** A base layer of gel with a dual density foam core and a pillow top gel overlay

- Indications:**
- Moderate postural support
  - Prevention & treatment Stage I-IV pressure injuries
  - Superior vibration control
  - Shear reduction
  - Ideal for power and tilt chairs

**Bariatric Available**  
**GPB(+Size)**  
**Weight Cap: 450lbs**  
**Sizes available: up to 26"**

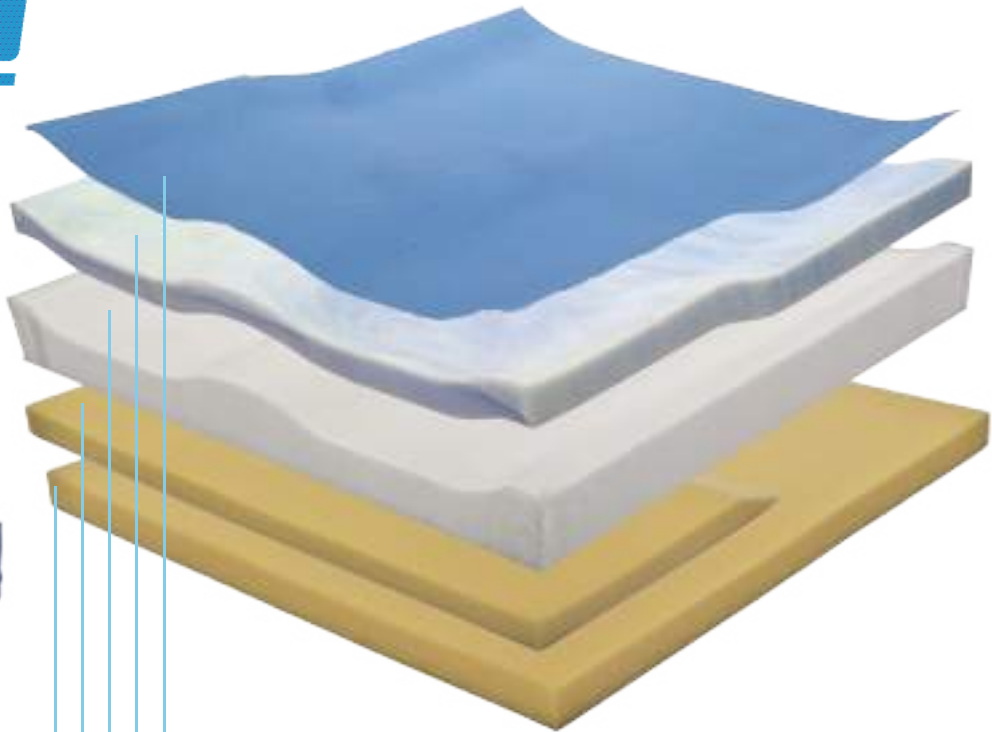
# PC CUTBACK

## Why Use the PC Cutback?

- ▶ Temperature regulation
- ▶ Active users
- ▶ Foot propellers
- ▶ Lightweight cushion



Height 3.5" PCCB(+size) Weight cap 275lbs



Premium layer of KulKote for temperature regulation

Pressure reduction through a 1" non-temperature sensitive memory foam

Support and comfortable transition with a resilient 1" polyurethane foam core

Slide prevention and security due to a firm 1/2" polyurethane foam ischial shelf

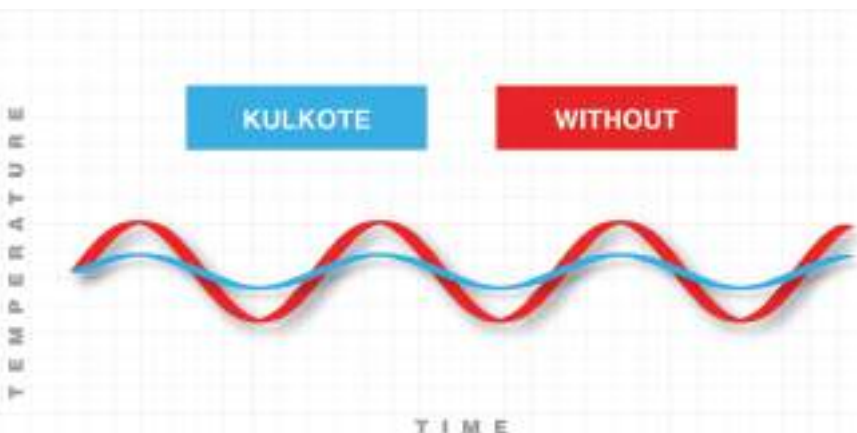
Easier full leg stroke for foot propellers with a 1" Anterior Cutback

Support and stability with a 1" firm polyurethane foam base



**KulKote can be applied to almost any product!**

Designed using KulKote phase change material with temperature regulating technology, the PC Cutback actively pulls and stores heat energy from the user to maintain comfortable skin temperature.



## KulKote®

It's Cool to be Kül™

The goal of KulKote is long term temperature regulation. Other "cooling" cushions offer an immediate cooling effect, but that effect dissipates quickly. KulKote delivers immediate, ongoing, measurable, and noticeable results. As KulKote absorbs heat, a cooling effect is created. As the heat source is removed, the heat energy is released. This leads to a decrease in temperature fluctuations, creating a more comfortable environment.

# CUSHION COMPARISON CHART

Cushion



	BRONZE	SILVER	GOLD	GOLD+	BOLD	ZENTURY	HYBRID	HYBRID LP	HYBRID DEEP	HYBRID DEEP LP	PLATINUM
Great For:											
Risk	Blue	Green	Red	Red	Red	Blue	Red	Green	Red	Green	Red
Shape/Contour	Blue	Blue	Blue	Blue	Blue	Red	Green	Green	Red	Red	Green
Immersion	Green	Red	Red	Red	Red	Red	Green	Green	Red	Green	Red
Envelopment	Green	Red	Red	Red	Red	Red	Green	Green	Red	Red	Red
Stability	Green	Green	Green	Green	Green	Green	Red	Red	Red	Red	Green
Shear Reduction	Red	Red	Red	Red	Red	Blue	Green	Green	Green	Green	Red
Vibration Dampening	Green	Red	Red	Red	Red	Blue	Green	Green	Green	Green	Red
Adjustment	Red	Red	Red	Red	Red	Blue	Green	Green	Green	Green	Green
Temp Control	Green	Green	Green	Green	Green	Red	Blue	Blue	Blue	Blue	Blue
Product Weight	Green	Red	Red	Red	Red	Blue	Green	Green	Green	Green	Red
Weight Capacity	Blue	Blue	Blue	Green	Red	Blue	Blue	Blue	Blue	Blue	
Foam						Red					
Foam/Gel							Blue	Blue	Blue	Blue	Blue
Gel	Green	Green	Green	Green	Green						



Foot Propulsion



Postural Control



Adaptable to Body Geometry



Slide Reduction



Tilt Compatability

LEVEL

Low

Medium

High

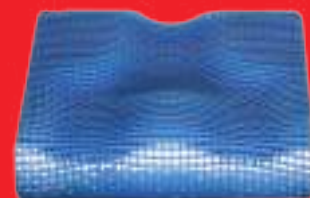
\*The above chart is a guide only – every client and their needs differ.



DID YOU KNOW?



Need an Anterior Cutback for better foot propulsion?  
We can do that to any cushion!



Need to reduce weight and increase airflow?  
Ask for your Geo-matrix cushion with Scrapped pillowtop gel.

# Geo-Matrix™ Wheelchair Accessories

Exceptionally Soft Immersion \* Premium protection \* Pressure Redistribution \* Wipeable

Our Geo-Matrix™ wheelchair accessories all feature our softest gel layer, the pillow top gel, for an exceptionally comfortable immersive surface that provides superior pressure redistribution and aids in the prevention, treatment and healing of skin ulcers. Additionally, all accessories are protected by a Recovery 5 anti-microbial cover that passes CAL 117 bul. This cover is made from a fluid-proof and fire-retardant four-way stretch fabric that is wipeable for easy disinfection which aids in easy maintenance and ensures a long product life.

Accessory	Thickness	Construction	Standard sizes*	Item No.
Amp pads*** 	2" 3" 4"	High Density foam with or without pillow top gel	6.5" X 10.5"	<b>APR(2,3 or 4)</b> <b>GAPR(2,3 or 4)</b> with pillow top
Arm rest pads (sold as a pair) 	1.5"	Two layers of pillow top gel; Velcro straps.	4" X 14" 4" X 16"	<b>GAPSTD</b> <b>GAPLRG</b>
Calf panel** 	.75"	One layer of pillow top gel; closed-cell foam back; Velcro straps	16" X 7" 16" X 10" 18" X 7" 18" X 10" 20" X 7" 20" X 10"	<b>GCPSTD</b> <b>GCPLRG</b>
Cascading foot plate pads*** (sold as a pair) 	1.5"	Two layers of pillow top gel with cascading front; dual Velcro strips	6" X 8" 8" X 10"	<b>GFPLRG</b> <b>GFPOSTD</b>
Commode pad 	1.75"	One layer of blue gel and one layer of pillow top gel; non-slip bottom; four buckle straps	16" X 18" 18" X 18"	<b>GCO1618</b> <b>GCO1818</b>
Elbow tray pads (sold as a pair) 	1.5"	Two layers of pillow top gel; two-sided Velcro bottom	8" X 7"	<b>GEPSTD</b>
Foot board pad 	1.5"	Two layers of pillow top gel with cascading front; two-sided Velcro bottom	16" X 10" 18" X 10" 20" X 10"	<b>GFB1610</b> <b>GFB1810</b> <b>GFB2010</b>
Foot box 	1.25"	High density foam base and sides. Pillow top overlay except on sides. Velcro bottom and back straps	16" X 9" X 14" 18" X 9" X 14" 20" X 9" X 14"	<b>GFBX</b> (width) <b>GFBXPB</b> (width) with plywood base
Hanger pads (sold as a pair) 	.75"	One layer of pillow top gel; dual Velcro strips	6" X 8" 8" X 10"	<b>GHPSTD</b> <b>GHPLRG</b>
Lift Chair pads 	1.5"	1 layer of blue mattress gel, Recovery5 black cover, 2 sets of Velcro straps	20" X 20"	<b>GLCP(+Size)</b>





# Powered Mattress Systems

## The Ultimate in Pressure Redistribution

Selecting the correct powered mattress system requires consideration of weight, mobility, ease of transfer and the need for prevention and treatment of pressure ulcers. Blake Medical offers a full range of

solutions with low air loss, powered mattress systems that use turning, alternating and pulsating modalities for when optimal healing and moisture control are needed.

Low air loss mattress systems provide superior pressure redistribution and are excellent for the treatment of Stage I – IV pressure ulcers, as well as the reduction of maceration or shearing.

## Salute RDX Micro Low Air Loss Mattress

### *Peace of mind and added safety*

This micro low air loss mattress system utilizes 18 8” combined air cells (4.5” therapy + 3.5” static air) to ensure support even in the event a power loss. The static air cell eliminates the need for a foam base, which means the whole surface can be easily disinfected.

The Salute RDX pump powers the advanced 3-1 alternation, which provides active pressure relief: for every three cells, one cell alternates in deflation, off-loading pressure on the body and ensuring 2/3 of the body is always supported at any time.

## Rhythm Multi Mattress System

### *Unique, innovative and specialized protection*

This system utilizes three modalities of therapy to treat pressure ulcers. First, low air loss technology with a high flow rate provides pressure and moisture management for the treatment of pressure ulcers.

Second, advanced 3-1 alternation provides active pressure relief: for every three cells, one cell alternates in deflation, off-loading pressure on the body and ensuring 2/3 of the body is always supported at any time.

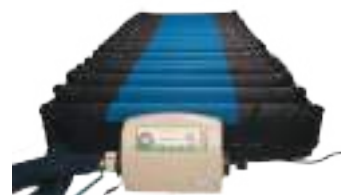
Third, for people who cannot tolerate alternation, pulsation provides a gentler means of increasing blood flow through the entire body, while fully supporting the body under all 18 cells for optimum comfort.

## Rhythm Turn Mattress System

### *Ingenious design for maximum protection*

This low air loss dynamic system is ideal for at-risk patients and step-down intensive care units. It features continuous lateral rotation therapy at 20 and 40 degrees, which gently turns the patient from side to side, shifting pressure points on the body.

This greatly lowers the risk of pressure sores, infection, pneumonia and other pulmonary complications—illnesses that significantly add to patient care costs and increase the duration of hospitalization. The turning surface also aids caregivers with manual turning.



### **Additional features:**

- Uses far less energy than traditional low air loss mattresses, greatly reducing operating costs
- Eight electronic comfort settings for both alternation and static modes
- Mesh centre strip keeps cells together and provides protection from slipping between cells in any position
- “Happy Heel” digital foot section softness adjustment to maximize heel float, reduce heel pressure and protect from shear
- Provides very quiet pressure redistribution



### **Additional features:**

- Suitable for bariatric use
- Mesh centre strip keeps cells together and provides protection from slipping between cells in any position
- Blower system provides up to 1,200 litres of air per minute to wick away moisture and create a proper climate for the healing of skin ulcers
- Will wick away up to 1.5 litres of fluid in a 24 hour period
- Manual “Happy Heel” section to further decrease pressure under the heels
- Customization options available



### **Additional features:**

- Suitable for bariatric use
- Blower system provides up to 1,200 litres of air per minute to wick away moisture and create a proper climate for the healing of skin ulcers



**Blake**

Medical Distribution

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# Sleep Comfortably & Reduce Pressure Injuries

Immersive Comfort • Improved Sleep Quality • Healing • Durability • Temperature Regulation • Pressure Reduction

## Geo-Matrix™ Gel & Foam Mattresses

Geo-Matrix™ G1 Mattress Single Zone      Geo-Matrix™ G1 Mattress Dual Zone      Geo-Matrix G2 Mattress

### Geo-Matrix™ non-powered mattresses offer:

- Peak Pressure Point Reduction
- Immersive Comfort
- Friction & Shear Reduction
- ZERO Calibration
- ZERO risk of Power Failure
- Custom Sizes Available

### Geo-Matrix™ G1 Mattress

**Target high-risk areas with extra protection**

This mattress features a dual high-density polyurethane foam base, 5 lb. memory foam core and an incorporated foam perimeter border for help with transfers and ADLs.

The single zone option target protection to the coccyx area with the reduction of peak pressure points. This helps to reduce skin tension and provides protection from shear when beds are articulated or elevated.

The dual zone option also protects the heel area with our pillowtop gel insert for pressure redistribution, reduction of friction and shear and healing of Stage I and II pressure injuries.

### Geo-Matrix™ G2 Mattress

**Full protection from head to toe**

This mattress features a dual high-density polyurethane foam base, 5 lb. memory foam core, a 32" section of 1.5" Geo-Matrix™ gel for coccyx protection and pillowtop gel in both the heel and shoulder area. An incorporated foam perimeter border is also included for help with transfers and ADLs.

The Geo-Matrix™ G2 combines the comfort and pressure reduction of memory foam with the superior durability and temperature regulation of gel.

It is ideal for pressure point reduction and protection from shear in any prone position, even when bony prominences are resting outside traditional high-risk zones.



# Blake

Medical Distribution

## ADP CODES

*'Adapting to your needs...Exceeding your expectations.'*

**Blake Medical Distribution**

**461 Cumberland Ave | Hamilton, Ontario | L8M 2A8**

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