

Seating & Positioning 2021



matrix®
SEATING SERIES

Flo-tech® **Propad**®

We have seating covered

www.thinkclinicalseating.co.uk

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Please refer to the Vicair or Bodypoint brochures for details of these ranges.



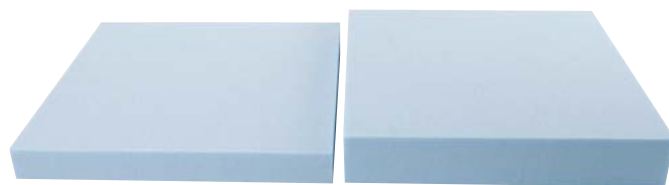
Essential Basic Cushion



High quality at a cost effective price



The *Invacare Essential Basic* Cushion is manufactured from highly resilient foam, providing a good level of comfort at a cost effective price, making this product ideal as an entry level wheelchair cushion.



Essential Low profile

Essential Basic

Cushion Depths

The *Essential* is available in two depths, a 2" depth known as the *Essential Low Profile* and a 3" known as the *Essential Basic*.

Features and Benefits



Ingress resistant cover as standard

Black smooth, high quality, ingress repellent zipped cover as standard. The fabric allows water to 'roll off', protecting the foam core from soiling. A plaiton liner is also available as an option.

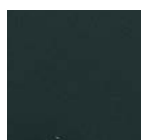
Available in a wide range of sizes

The Invacare Essential cushions are available in 75 sizes, ranging from 9-20" widths and 9-21" depths.

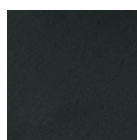
Technical data

	Various sizes	Height	Max. user weight	Total product weight	Max. cleaning temperature	Warranty	Manufactured to European Standards: BS7176-16
Low profile	Wide range of sizes	2" / 50.8 mm	Max Client Weight: 2" 16 stone (100kg)	Weight: 0.5 kg	Cleaning: 80°	1 year	Please note users who have a BMI of less than 18.5 (I.e. Users that are considered to be medically underweight) will be at a greater risk of bottoming out.
Basic		3" / 76.2 mm	3" 17 stone (108kg)	Weight: 0.8 kg		2 years	

Cover options



Black Smooth (Standard)

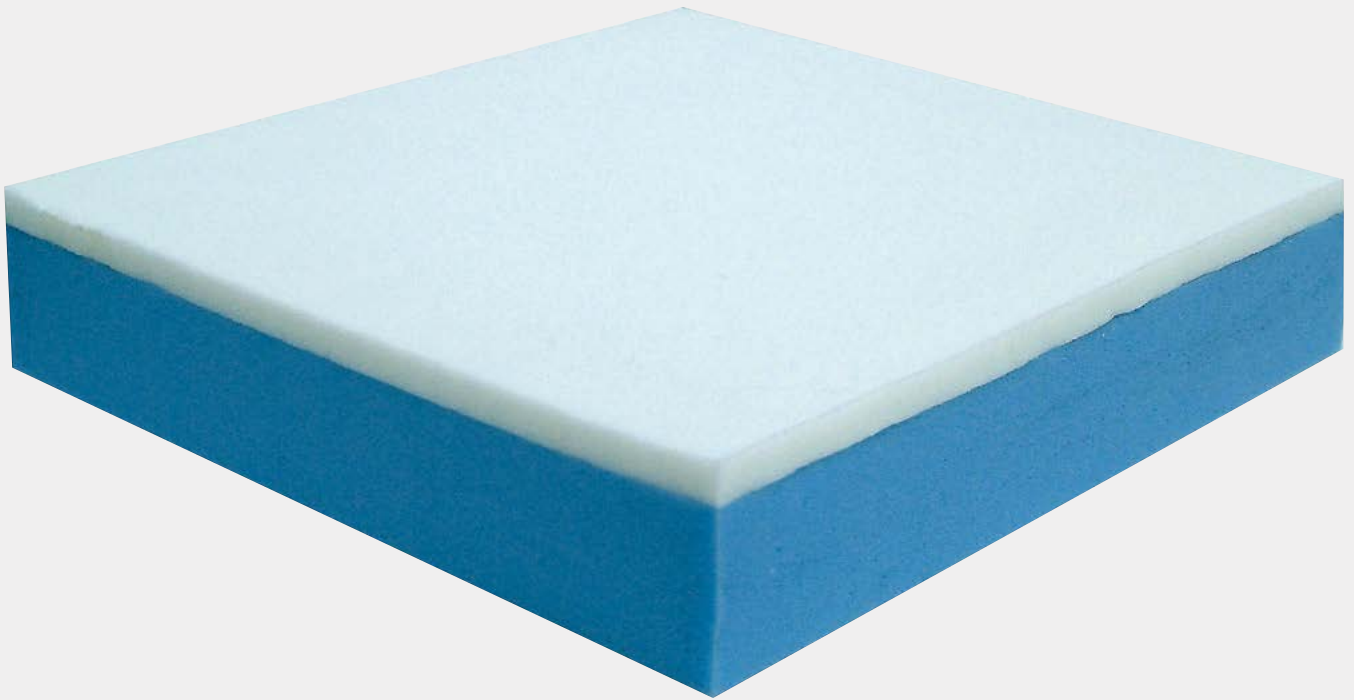


Black wipedown

		WIDTH												
		23	25	28	30	33	36	38	40	43	46	48	51	
		inch	9	10	11	12	13	14	15	16	17	18	19	20
DEPTH	cm	23	9											
	25	10												
	28	11												
	30	12												
	33	13												
	36	14												
	38	15												
	41	16												
	43	17												
	46	18												
	48	19												
	51	20												
	53	21												



Essential Visco Cushion



Dual layered Comfort



The *Invacare Essential Visco* Cushion has a dual layer, using a combination of high density temperature sensitive visco elastic foam in conjunction with a highly resilient foam base to provide added support and longevity. The *Essential Visco* Cushion is suitable for those who require added comfort when in a wheelchair.

Visco elastic (memory) foam top

The top layer of the cushion is made from high density visco elastic (memory) foam, which conforms to the shape of the body combining exceptional comfort with a fully supported feeling.

Robust Foam Base

The high density foam base provides added support whilst preventing the cushion from bottoming out, ensuring longevity of the product.



Features and Benefits



Ingress resistant cover as standard

Black smooth, high quality, water repellent zipped cover as standard. The fabric allows water to 'roll off', protecting the foam core from soiling. A platilon liner is also available as an option.

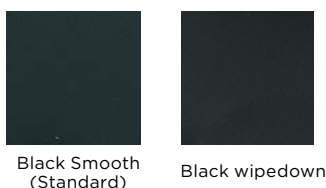
Available in a wide range of sizes

The Invacare Essential Visco cushion is available in 75 sizes, ranging from 9-20" widths and 9-21" depths (see size chart for details).

Technical data

 Various sizes	 Height	 Max. user weight	 Total product weight	 Max. cleaning temperature	 Warranty	Manufactured to European Standards: BS7176-16
Essential Visco Cushion Wide range of sizes	Height: 3"/76.2 mm	Max Client Weight: 17 stone (108kg)	Weight: 1 kg	Cleaning: 80°	2 years	

Cover options



WIDTH

		23	25	28	30	33	36	38	40	43	46	48	51
		9	10	11	12	13	14	15	16	17	18	19	20
DEPTH	cm												
	inch												
	23												
	25												
	28												
	30												
	33												
	36												
	38												
	41												
	43												
	46												
	48												
	51												
53													



Propad™ Profile Cushion



Profiled cut-foam cushion designed with
castellations for comfort and support



The *Invacare Propad Profile cushion* provides individuals with an option of having a lower 3" high cushion, rather than a standard height (4") original cushion. Some individuals prefer a lower profile cushion, finding it more compatible with their daily living activities.

Castellated Foam Cushion

Each castellation delivers enhanced support and pressure area care.

Reduces shear and friction forces

The castellations in the *Invacare Propad Profile cushion* reduce shear and friction forces on tissue.



Features and Options



Cover helps to prevent a build up of shear and friction forces

Cover is two-way stretch, water-resistant and vapour permeable. Cover features an anti-slip base.



Available in a range of sizes

The *Invacare Propad Profile Cushion* is available in 116 sizes, ranging from 10-24" widths and 10-22" depths.


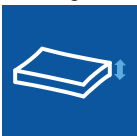


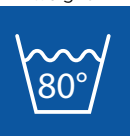



Full length flap conceals the zip

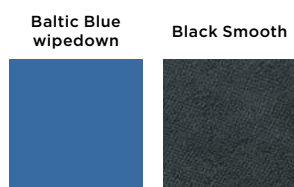
The full length flap concealing the zip reduces the potential for fluid ingress into the cushion and protects the foam core. The cover can be removed and laundered.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Size range	Height	Total weight of product	Max. user weight	Max. user weight	Max. user weight	Manufactured to European Standards: Interior Foam: BS EN 597-1 Cig, BS EN597-2 Match, BS 5852 (Crib 5) Cover: BS 7175 (Crib 5)
Propad Profile Cushion	 A range of 116 sizes	 65 mm	 0.8kg	 95 kg (15 stone)	 80°	 1 year	

Cover options



		WIDTH															
cm		25	28	30	33	36	38	40	43	46	48	51	53	55	58	61	
inch		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
DEPTH	25																
	28																
	30																
	33																
	36																
	38																
	41																
	43																
	46																
	48																
	51																
	53																
55																	

Propad™ Original Cushion



Cut foam with castellations for
comfort and support



The *Invacare Propad Original Cushion* has been designed to facilitate good pressure redistribution when used with both wheelchairs and standard armchairs. This cushion is constructed to ensure improved support and prolonged longevity.



Designed to deliver enhanced pressure care

The *Invacare Propad Original Cushion* is made from a layer of castellated foam, each segment delivers enhanced support and pressure area care to the individual. The “keyhole” cut at the base of each castellation ensures good air circulation, reducing potential for skin maceration.

Seating surface

Offers improved stability and postural support; castellations reduce shear and friction forces on tissue.

Features and Options



Cover helps prevent a build up of shear and friction forces

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base.



Available in 116 sizes

The *Invacare Propad Original Cushion* is available in 116 sizes ranging from 10-24” width and 10-22” depths (See size chart for details).



Full length flap conceals zip

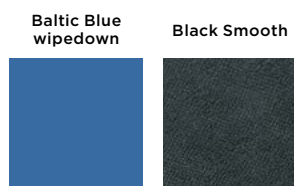
The full length flap concealing the zip reduces the potential for fluid ingress into the cushion and protects the foam core. The cover can be removed and laundered.

Technical data

For more comprehensive pre-sales information about this product, including the product’s user manual, please visit www.invacare.co.uk

	Size range	Height	Total product weight	Max. user weight	Max. cleaning temperature	Warranty	
							Manufactured to European Standards: Interior Foam: BS EN 597-1 Cig, BS EN597-2 Match, BS 5852 (Crib 5) Cover: BS 7175 (Crib 5)
Propad Original Cushion	A range of 116 sizes	102 mm	1 kg	108 kg (17 stone)	80°	1 year	

Cover options



		WIDTH														
cm		25	28	30	33	36	38	40	43	46	48	51	53	55	58	61
inch		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DEPTH	25															
	28															
	30															
	33															
	36															
	38															
	41															
	43															
	46															
	48															
	51															
53																
55																

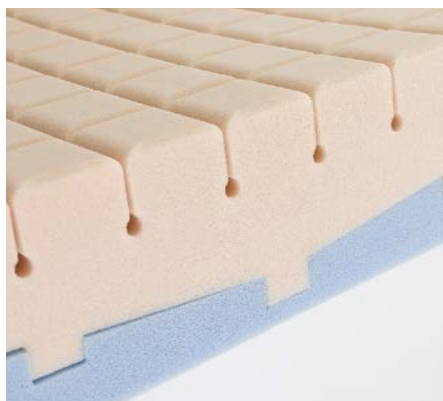
Propad™ Premier Cushion



Profiled foam cushion designed
for comfort and support



The *Invacare Propad Premier Cushion* has been designed to facilitate good pressure reduction when used with both wheelchairs and standard armchairs. This cushion is constructed to ensure improved support and prolonged longevity.



Features and Options



Cover helps to prevent a build up of shear and friction forces

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base.

Available in a range of sizes

The *Invacare Propad Premier Cushion* is available in 85 sizes ranging from 13-24" widths and 13-22" depths (See size chart for details).

Full length flap conceals the zip

The full length flap concealing the zip reduces the potential for fluid ingress into the cushion and protects the foam core. The cover can be removed and laundered.

Deep contoured dual-layer profiled foam cushion designed to deliver enhanced pressure care

The *Invacare Propad Premier Cushion* is a dual layer cushion. The lower layer is constructed from a firmer foam, shaped to deliver increased stability support and prevent bottoming out. The upper layer features a layer of castellated foam, each castellation delivering enhanced support and pressure area care to the individual. The "keyhole" cut at the base of each castellations ensures good air circulation, reducing the potential for skin maceration.

Castellated seating surface

Offers improved stability and postural support; castellations reduce shear and friction forces on tissue.

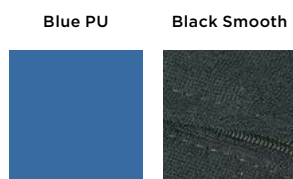
Technical data

For more information about this product, including the product's user manual, please visit www.invacare.co.uk

Manufactured to European Standards: BS EN 597-1 Cig, BS EN 597-2 Match and BS 7175 (Crib 5)

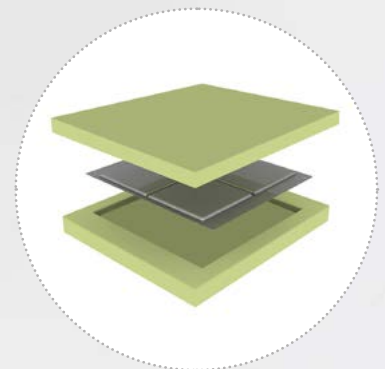
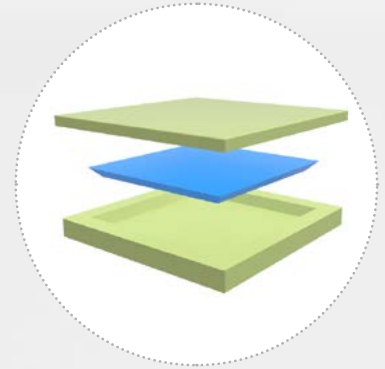
	Size range	Height	Total product weight	Max. user weight	Max. cleaning temperature	Warranty
Propad Premier Cushion	85 sizes	102 mm	1 kg	110kg (17 stone) 196kg (31 stone) 22" and above	80°	1 year

Colours



		WIDTH												
		33	36	38	40	43	46	48	51	53	55	58	61	
		inch	13	14	15	16	17	18	19	20	21	22	23	24
DEPTH	33	13												
	36	14												
	38	15												
	41	16												
	43	17												
	46	18												
	48	19												
	51	20												
	53	21												
	55	22												

Propad Revolve



Flat, high risk (V) and very high risk (Si)
cushion that can be placed in any direction



Introducing the **Propad Revolve** cushions

- ▶ Flat cushion
- ▶ Up to 30 stone (190kg)¹
- ▶ Suitable for high to very-high risk
- ▶ Visco and Silicone options
- ▶ Sewn or welded wipedown covers
- ▶ Omnidirectional



High Resilient moulded Foam

- ▶ The **Propad Revolve** cushions are manufactured from the finest quality materials. The same high resilient foam is used within the clinically respected **Matrx Flo-tech** range.



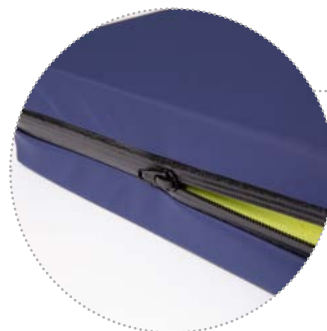
Omnidirectional

- ▶ Versatile and efficient with a design that allows for omnidirectional use from the top, bottom, front or back. Offering increased flexibility and saving time on seating preparation.



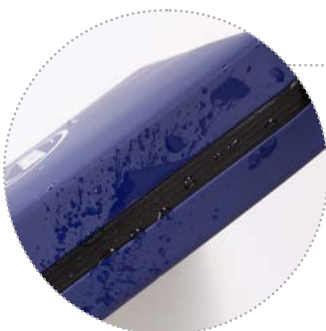
Cover options

- ▶ Sewn: blue and black
- ▶ Welded: blue



Intelligent fabric

- ▶ A sewn cover comes as standard which features a concealed zip and a full length flap. Completely welded seams available as an option for maximum ingress protection.



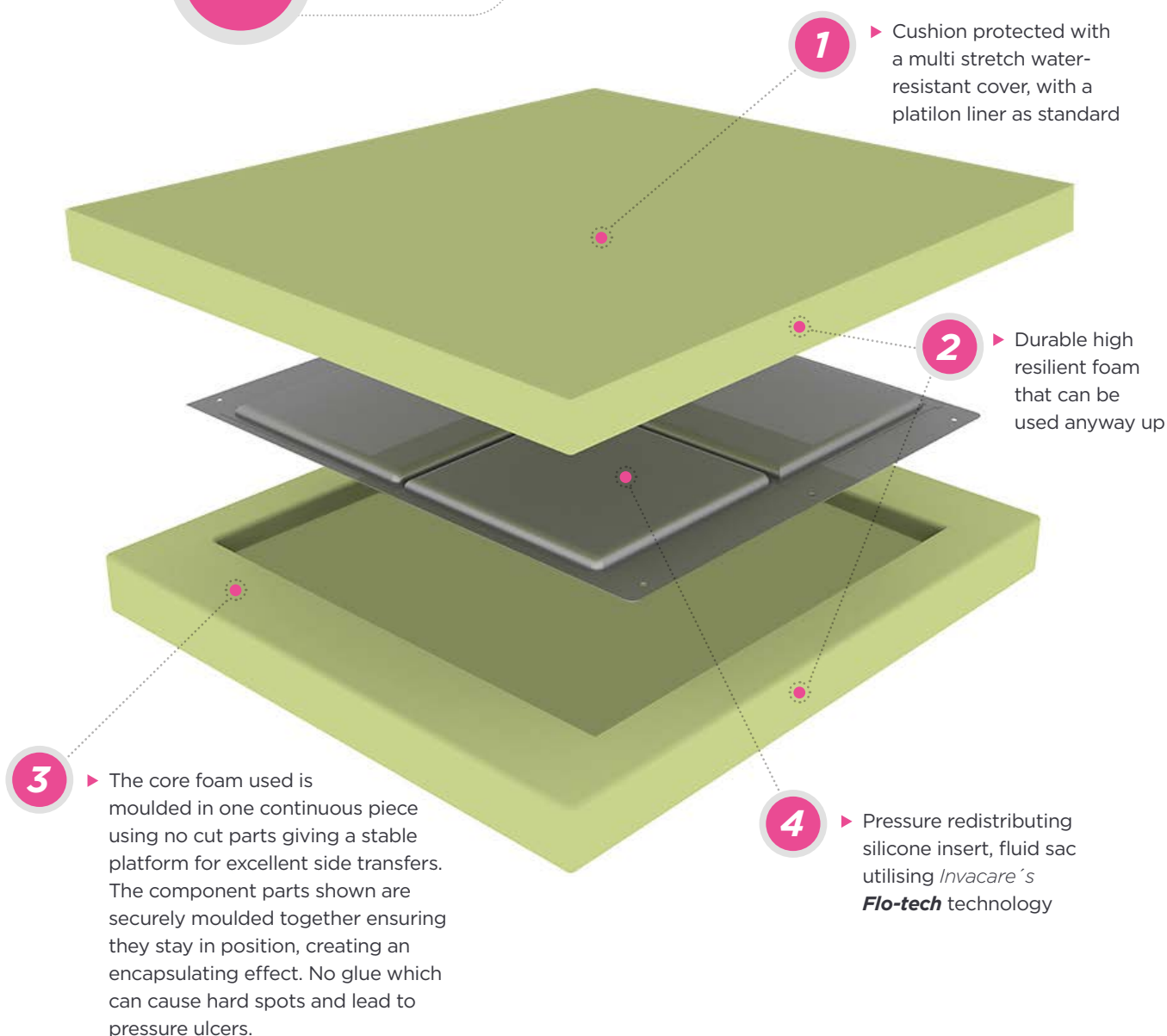
Aquaguard zip

- ▶ An innovative new waterproof repellent zip is included with the welded seamed cover option. Unlike standard zipped covers, the superior Aquaguard withstands an extensive shower test and does not absorb moisture.

¹. Referring to the caveat on page 5 referencing the size of cushion.

Invacare **Propad Revolve Si** (very high risk)

4 EXCLUSIVE FEATURES



Additional features

▶ Fluid and foam advantages

The embedded, non-temperature sensitive silicone (Si) fluid sac envelops protruding bony prominences for superior skin protection and shear management.

▶ High resilient foam

Top quality moulded HR-foam provides high-level immersion for excellent pressure redistribution.

Invacare **Propad Revolve V** (high risk)

5

**EXCLUSIVE
FEATURES**

1

▶ Lightweight comfortable foam that gently moulds to patient shape, providing excellent comfort and pressure redistributing properties

2

▶ Visco Elastic insert that provides excellent immersion

3

▶ Durable high resilient foam that can be used anyway up

4

▶ Cushion protected with a multi stretch water-resistant cover, with an optional platilon liner

5

▶ One-piece moulded design is excellent for side transfers

Additional features

▶ **Visco-elastic inner layer**

The **Propad Revolve V** combines an outer-layer of durable moulded high resilient foam with a viscoelastic foam inner layer in a lightweight package.

▶ **Design features**

The angled base design ensures seamless transition while the visco layer provides high level immersion and pressure redistribution and stabilization.

Technical data ▼

For more information about this product, including the product's user manual, please visit www.invacare.co.uk



Height ▼



Total product weight ▼



Max. user weight ▼

	Height ▼	Total product weight ▼	Max. user weight ▼
Propad Revolve Si	7,5 cm	2.75 kg	36cm to 41cm - 100kg 43cm to 51cm - 125kg up to 159kg 56cm to 61cm - 190kg
Propad Revolve V	7,5 cm	2 kg	36cm to 41cm - 100kg 43cm to 51cm - 125kg to 159kg 56cm to 61cm - 190kg



Max. cleaning temperature ▼



Materials used ▼



Warranty ▼

	Max. cleaning temperature ▼	Materials used ▼	Warranty ▼
Propad Revolve Si	80°C	Foam, Fluid	3 years
Propad Revolve V	80°C	Foam, Visco	3 years

1. Maximum user weight limits are set provided that the cushion selected is of appropriate width and depth for the intended user/s.

Cushion Sizes ▼

		Width						
		36	38	41	43	46	48	51
Depth	cm							
	inch	14	15	16	17	18	19	20
	36	■	■	■				
	38	■	■	■				
	41	■	■	■		■		
	43				■	■	■	
	46			■		■		■
51							■	

Testimonial ▼

Propad Revolve Si Patient Field Evaluation

After a three month 20 patient field trial, we added the Invacare Propad Revolve Si to our range of Very High Risk cushion stock. Clinically, the product has proved to work well and feedback received from end users has been positive. In addition to this and as a Service always looking to save money, we have enjoyed a significant cost saving when comparing the Propad Revolve Si to the cushion that it replaced.

We utilise the BodiTrac pressure mapping system for the more challenging of clients who have history of tissue integrity issues or who currently have skin breakdown. Often this client group need the everyday practicality and ease of flat cushion but also require the appropriate level of risk protection, hence the Propad Revolve.

As a Service we adopt the Braden Scale for prediction of pressure sore risk and have utilised the Propad Revolve Si for our clients who class as Very High Risk (VHR) and the Propad Revolve V for patients who are assessed as High Risk (HR).

Braden Scale is as follows:

- ▶ Low Risk – Score 14,15,16
- ▶ Medium Risk – 11,12,13
- ▶ High Risk – 8,9,10
- ▶ Very High Risk – 6,7

East Suffolk & North Essex NHS Foundation Trust – Management Guidelines

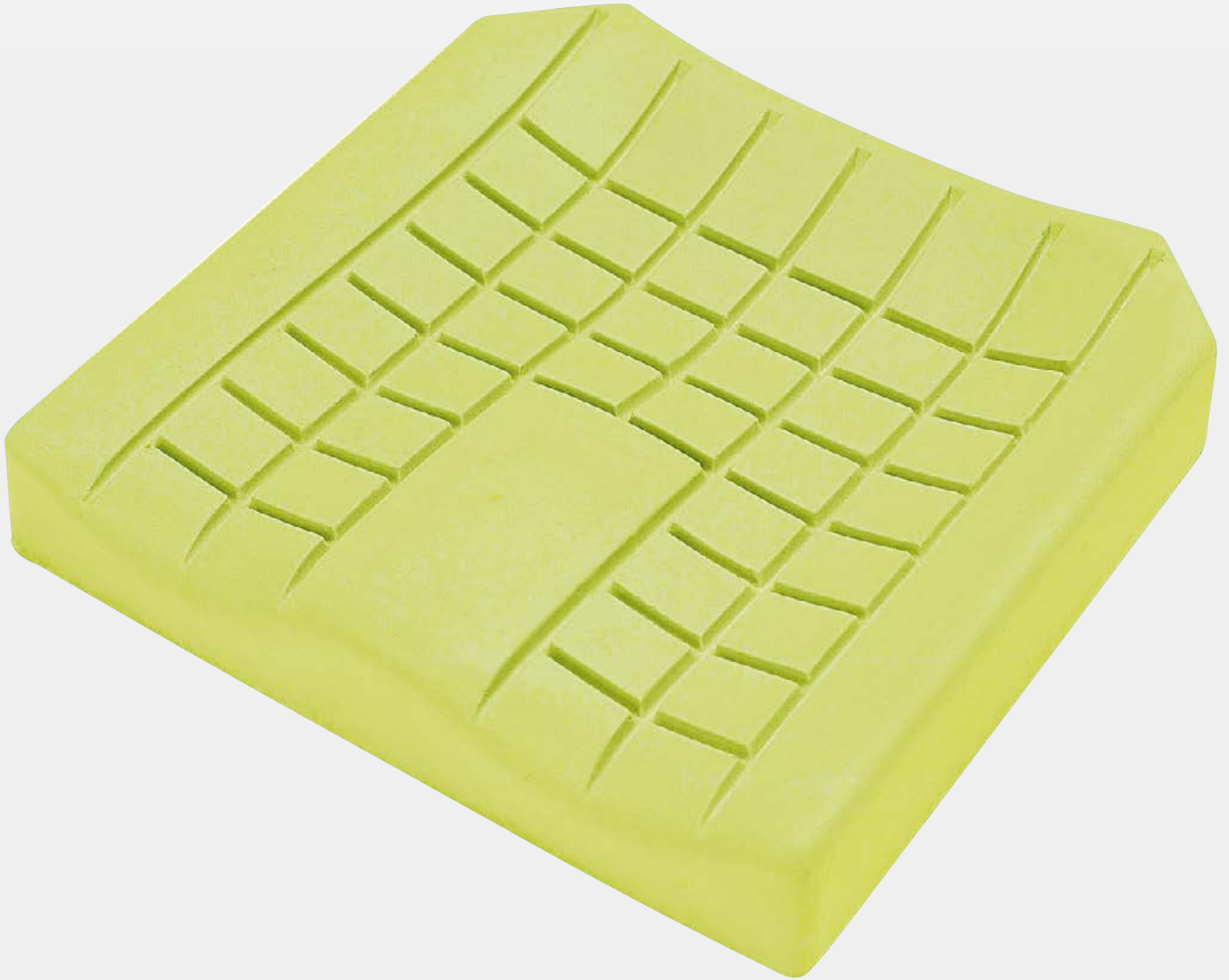
Tracy Freeman

Clinical Lead for Community Equipment & North East Essex Wheelchair Service

East Suffolk and North Essex NHS Foundation Trust

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SEATING SERIES

Flo-tech™ Lite



Slimline contoured cushion
affording exceptional comfort and
improved posture



The *Invacare* **Matrx Flo-tech Lite** cushion is a slimline contoured cushion ideally suited for people at low risk of developing pressure ulcers and for comfort purposes only. The contoured seating surface offers improved stability and postural support. With sizes starting from 25 x 25 cm (10 inches), the **Matrx Flo-tech Lite** cushion is particularly suited to paediatric clients.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 63 sizes

The *Invacare* **Matrx Flo-tech Lite** is available in a range of 63 sizes, from 10-20" width and 10-21" depths. (See size chart for details)



Integral sag rigidizer option

Option to compensate the sag in wheelchair seats, and ensure the cushion is correctly presented.



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria helps provide longer lasting freshness.

Slimline foam base made from high quality resilient, moulded foam

The high quality resilient foam is manufactured using a unique formula which offers high levels of pressure redistribution and improves product longevity. Moulding allows the **Matrx Flo-tech Lite** cushion to provide a 3D form, which cannot be emulated in cut foam. The pommel at the front of the cushion ensures femurs are in a midline position for good posture and allows air to circulate.

Contoured seating surface

Offers improved stability and postural support. Also delivers a greater degree of weight distribution compared to that of a flat surface. The castellations of the cushion allow slight movement which in turn reduces shear and friction forces.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

<p>Various sizes</p> <p>Matrx Flo-tech Lite A range of 63 sizes</p>	<p>Height</p> <p>78 mm</p>	<p>Total product weight</p> <p>1.5 kg</p>	<p>Max. user weight¹</p> <p>127 kg (20 stone)</p>	<p>Max. cleaning temperature</p> <p>80°</p>	<p>Warranty</p> <p>3 years</p>	<p>Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)</p>
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1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options

<p>Black Smooth</p>	<p>Black wipedown</p>	<p>Black spacer fabric</p>	<p>Baltic Blue wipedown</p>
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		WIDTH											
		25	28	30	33	36	38	40	43	46	48	51	
		inch	10	11	12	13	14	15	16	17	18	19	20
DEPTH	25	10											
	28	11											
	30	12											
	33	13											
	36	14											
	38	15											
	41	16											
	43	17											
	46	18											
	48	19											
	51	20											
	53	21											

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Flo-tech™ Lite Visco



Low profile visco elastic memory foam
cushion offering exceptional comfort



The Invacare **Matrix Flo-tech Lite Visco** cushion is made of high-density visco elastic foam, allowing it to conform to the individual's shape. This affords exceptional levels of comfort and increases and redistributes pressure. This low profile cushion format is ideal for both static chairs and wheelchair use, facilitating side transfers.

Low memory foam designed to maximise body contact area

The visco-elastic foam conforms to the individual's body, maximising the contact area, optimising pressure distribution and delivering exceptional levels of comfort.



Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 64 sizes

The Invacare **Matrix Flo-tech Lite Visco** is available in a range of 64 sizes, from 10-20" widths and 10-21" depths. (See size chart for details).



Three foam densities available







Available in three densities to accommodate a range of client weights – Soft (up to 32 kg), Medium (up to 51 kg) and Firm (up to 100 kg).

Contoured seating surface withommel and side support

Offers mild lateral support and pelvic stability to enhance the individual's posture.

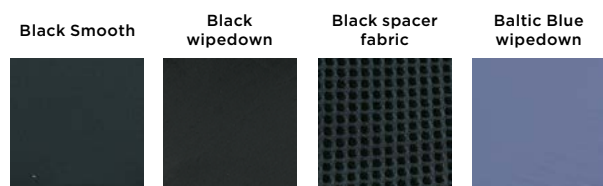
Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty	Manufactured to European Standards: Interior Foam: BS EN 1021-1, BS EN 1021-2, BS 5852: 1982 Crib 5
 Up to 64 sizes	 78 mm	 1.26 kg	 Soft: 32kg (5 stone) Medium: 51kg (8 stone) Firm: 100kg (16 stone)	 80°	 3 years	

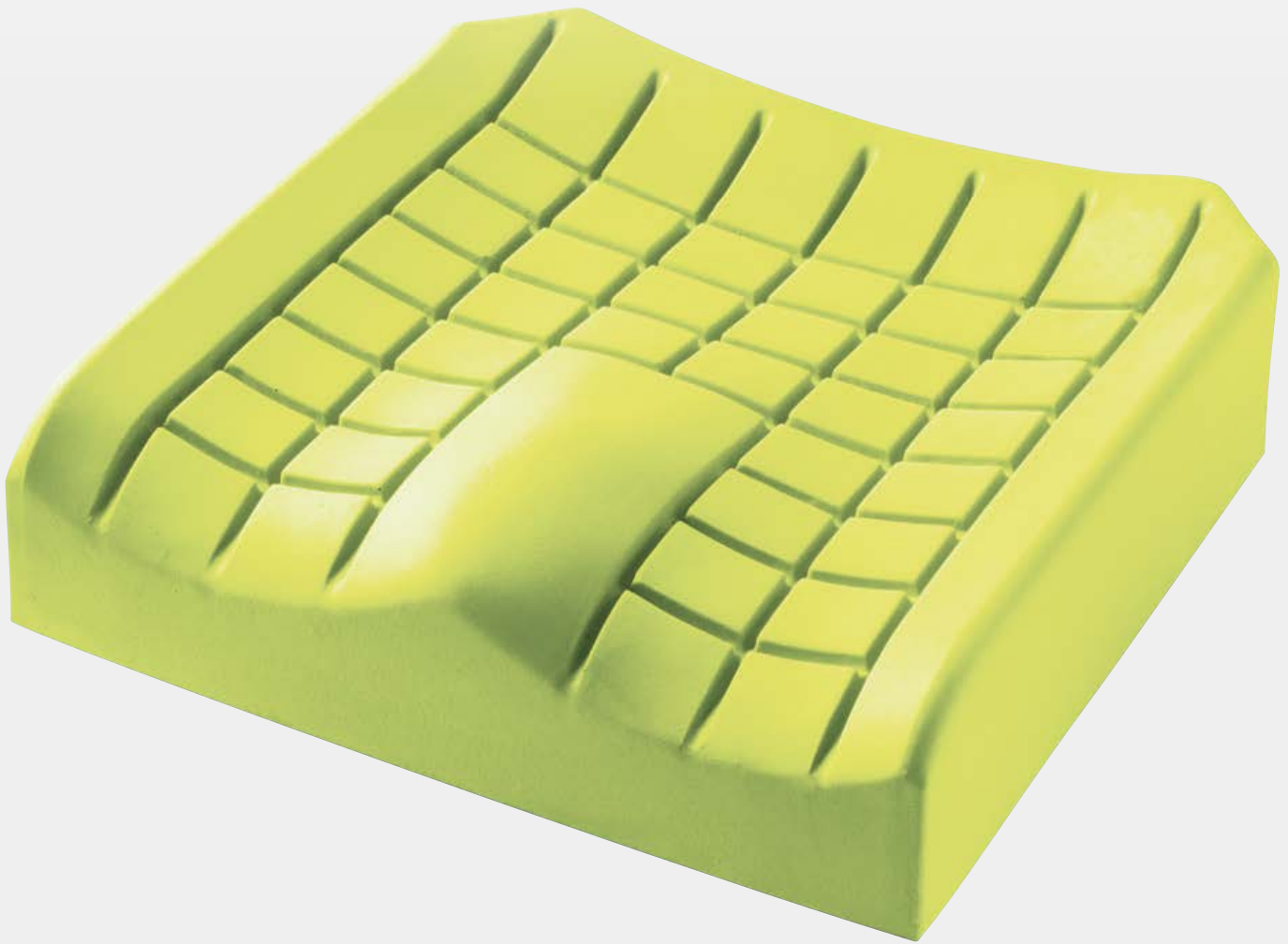
1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



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Flo-tech™ Contour



Contoured moulded foam for
improved posture



The surface of the Invacare **Matrix Flo-tech Contour** cushion is contoured into sections. Its design supports the client and increases pressure redistribution. The combination of improved posture and increased support surface area will contribute significantly to pressure ulcer prevention. This deep cushion is suitable for heavier people.

Moulded foam cushion

Moulding allows **Matrix Flo-tech** cushions to provide a three-dimensional form, which cannot be emulated in cut foam. Moulded foam is highly durable, increasing the product's longevity.

Contoured seating surface

Offers improved stability and postural support; castellations reduce shear and friction forces on tissue.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 84 sizes

The *Invacare Matrix Flo-tech Contour* is available in a range of 84 sizes, from 14-24" width and 14-22" depths. (See size chart for details).



Integral sag rigidizer option

Option of sag compensator to accommodate the sag in wheelchair seats, and ensure the cushion is correctly presented.









Ultra-fresh™ added to all cushions for antimicrobial and odour protection

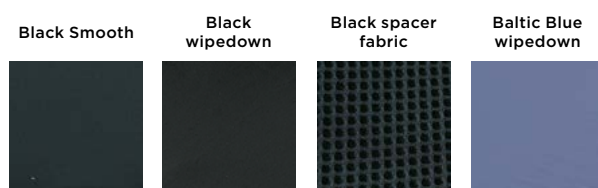
Antimicrobial treatment that has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria and helps provide longer lasting freshness.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty	
Matrix Flo-tech Contour	 A range of 84 sizes	 103 mm	 1.38 kg	 152 kg (24 stone) 191kg (30 stone) on sizes 20" width/depth and above	 80°	 3 years	Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-1 Match, and BS 7176 (Crib 5)
							1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



		WIDTH											
		36	38	41	43	46	48	51	53	56	58	61	
		inch	14	15	16	17	18	19	20	21	22	23	24
DEPTH	33	13											
	36	14											
	38	15											
	41	16											
	43	17											
	46	18											
	48	19											
	51	20											
53	21												
56	22												

matrix[®]
SEATING SERIES

Flo-tech[™] Contour Visco



Contoured Visco memory foam that
conforms to the shape of the body



The *Invacare* **Matrix Flo-tech Contour Visco** cushion is moulded from Visco-elastic foam. Its contoured surface area conforms to the body, improving posture, increasing comfort and maximising the surface area in contact with the individual, thereby increasing pressure redistribution.

Deep moulded low memory foam cushion

The visco-elastic foam conforms to the body. By maximising the contact area it redistributed pressure and delivers exceptional levels of comfort. The deep foam makes this cushion particularly suitable for heavier and taller people.

Contoured seating surface with pommel and side support

Offers increased lateral support and pelvic stability to enhance posture.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 58 sizes

The *Invacare* **Matrix Flo-tech Contour Visco** is available in a range of 58 sizes, from 14-20" widths and 13-21" depths. (See size chart for details).









Four foam densities available

Available in four densities to accommodate a range of client weights - Soft (up to 51 kg), Medium (up to 76 kg), Firm (up to 108 kg) and Very Firm (up to 127 kg).

Technical data

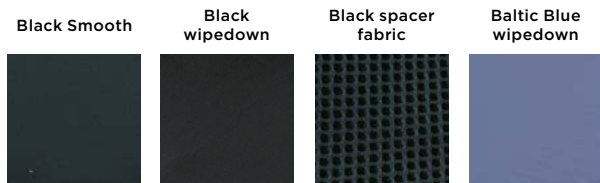
For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty
					
Up to 58 sizes	120 mm	1.6 kg	soft: 51kg (8 stone) medium: 76kg (12 stone) firm: 108kg (17 stone) very firm: 127kg (20 stone)	80°	3 years

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Manufactured to European Standards: Interior Foam: BS EN 1021-1, BS EN 1021-2, BS 5852: 1982 Crib 5

Cover options



matrix[®]
SEATING SERIES

Flo-tech™ Contour Lo-Back



Allows the individual to sit back
further into their seat



The *Invacare* **Matrx Flo-tech Contour Lo-Back Cushion** has been designed with a lower rear contour allowing the individual to sit further back into seat. The additional contouring and support under the thighs stabilises the individual further, thus reducing the damaging effects of shear.



Comparison



Matrx Flo-tech Contour

Matrx Flo-tech Contour Lo-Back

Contour Lo-Back Cushion optimises support surface contact area

Comparison with standard wheelchair cushion, showing improved posture through use of the **Matrx Flo-tech Contour Lo-Back Cushion**.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for transportation.



Available in 79 sizes

The Invacare **Matrx Flo-tech Contour Lo-Back Cushion** is available in a range of 79 sizes, from 14-24" widths and 13-22" depths. (See size chart for details).



Contoured seating

Offers improved stability and postural support. Castellations reduce shear and friction forces on tissue.



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria and helps provide longer lasting freshness.

Moulded Foam Cushion

Moulding allows **Matrx Flo-Tech** cushions to provide a three-dimensional form, which cannot be emulated in cut foam. Moulded foam is highly durable, increasing the product's longevity.

Technical data

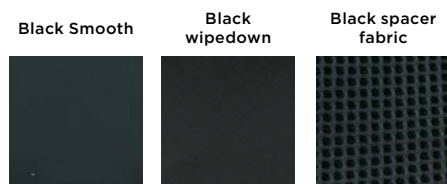
For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

<p>Various sizes</p>	<p>Height</p>	<p>Total product weight</p>	<p>Max. user weight¹</p>	<p>Max. cleaning temperature</p>	<p>Warranty</p>

Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



		WIDTH											
		36	38	41	43	46	48	51	53	56	58	61	
		inch	14	15	16	17	18	19	20	21	22	23	24
DEPTH	33	13											
	36	14											
	38	15											
	41	16											
	43	17											
	46	18											
	48	19											
	51	20											
	53	21											
	56	22											



matrx[®]
SEATING SERIES

Matrx[®] Vi



Moulded foam with visco insert for
protection and positioning



The *Invacare **Matrix Vi Cushion*** is designed to provide skin protection and positioning for individuals at moderate to high risk of skin breakdown. The unique three part foam construction targets skin protection where it is needed most, and features excellent stability, support and comfort.



① **Outer cover**

Moisture resistant and breathable. Includes slip resistant base, hook and loop fasteners, lifting strap.

② **Inner cover**

Moisture resistant. Easily wipes clean. Zippered cover allows access for cushion modifications.

③ **Top layer**

Soft (ILD) High Resilient (HR) foam for optimal comfort and support. Pre-ischial contour provides stability to pelvis. Abductor/adductor contour promotes midline leg positioning.

Made with Ultra-Fresh™ for antibacterial and odour protection.

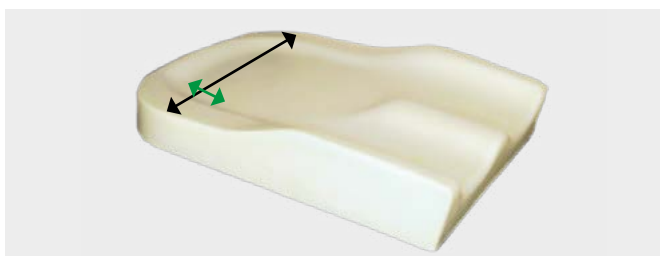
④ **Visco foam insert**

Moulded visco-elastic foam ischial relief insert. Anatomically targeted to ischial/sacral area. Provides immersion to sensitive bony prominences.

⑤ **Bottom layer**

Firm High Resilient (HR) foam for support and durability. Trochanteric shelf provides stability to hips. Waterfall front edge. Rear radius for sacral support.

Features and Options



Rear cushion radius: +3.8 cm extra depth is designed to fill the gap between the seat and backrest/upholstery. **1.25 cm decrease in total width** allows cushion to fit both stated size and seats that are 2.5 cm narrower.



Waterfall front end

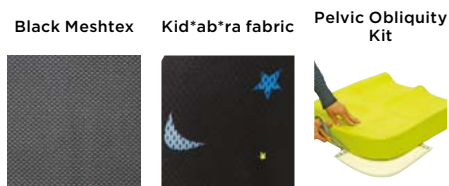
A diagonal cut along the front accommodates tight hamstrings, facilitates foot propulsion and standing transfers.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Width	Depth	Height at adductor/abductor	Height at leg trough	Total product weight	Max. user weight	Cleaning temperature	Warranty
KA-Vi	31 - 36 cm	31 - 36 cm	7,3 / 7 cm	5 cm	0,7 kg and up	68 kg (11 stone)	60°	2 years
MA(WWDD)-Vi (Standard)	36, 41, 43, 46, 51, 53, 56 cm	38 - 51 cm	9,5 / 8,25 cm	6,35 cm	0,9 kg and up	136 kg (21 stone)	60°	2 years

Covers and options



Easily installed on all Invacare *Matrix Vi Kid*ab*ra-Vi* cushions. Accommodates up to 25 mm obliquities

		WIDTH							
		31	36	41	43	46	51	56	
		inch	12	14	16	17	18	20	22
DEPTH	31	12							
	36	14							
	38	15							
	41	16							
	43	17							
	46	18							
	51	20							

matrx[®]
SEATING SERIES

Flo-tech™ Plus



Deep contoured large cushion
with fluid sac



The *Invacare* **Matrx Flo-tech Plus** cushion incorporates a fluid sac integrated in the cushion seat well. The positioning of the fluid sac targets the ischial tuberosities, helping to significantly reduce pressure in this vulnerable area. This delivers superior levels of protection for those patients identified as being at High Risk of developing pressure ulcers.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle.



Available in 77 sizes

The *Invacare* **Matrx Flo-tech Plus** is available in a range of 77 sizes, from 14-24" widths and 13-22" depths. (See size chart for details).



Integral sag compensator option

Option to compensate the sag in wheelchair seats, to ensure the cushion is correctly presented.



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria. Helps provide longer lasting freshness.

Contoured seating surface

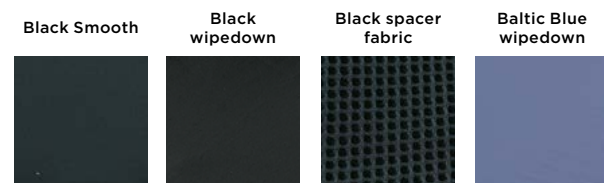
Offers improved stability and postural support. Also delivers a greater degree of pressure distribution compared to that of a flat surface. The castellations of the cushion allow slight movement which in turn reduces shear and friction forces. The deeper moulded foam offers greater protection to those who are considered clinically obese, or individuals who would benefit from a higher sitting position.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty	Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)
Matrx Flo-tech Plus	 A range of 77 sizes	 103 mm	 2.5 kg	 152 kg (24 stone) 191kg (30 stone) for sizes 20" width/depth and above	 80°	 3 years	1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



		WIDTH											
		36	38	41	43	46	48	51	53	56	58	61	
		inch	14	15	16	17	18	19	20	21	22	23	24
DEPTH	33	13											
	36	14											
	38	15											
	41	16											
	43	17											
	46	18											
	48	19											
	51	20											
	53	21											
56	22												

matrx[®]
SEATING SERIES

Flo-tech™ Image



Slimline moulded foam cushion
with fluid sac



The *Invacare Matrix Flo-tech Image* cushion uses a combination of a slim, shaped foam cushion base and a fluid sac covering the sacral area, increasing pressure distribution and immersion of the ischial tuberosities. This design delivers a high degree of protection for people who are at High Risk of developing pressure ulcers. This slim cushion format is ideal for both chair and wheelchair use.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 50 sizes

The *Invacare Matrix Flo-tech Image* is available in a range of 50 sizes, from 14-20" width and 13-21" depths. (See prescription chart for details).



Integral sag compensator option

Option to compensate the sag in wheelchair seats, and ensure the cushion is correctly presented.



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all *Flo-tech* foam to help make it resistant to the growth of odour causing bacteria and helps provide longer lasting freshness.

Slimline contoured foam and gel combination cushion

Some individuals prefer a slimline cushion, finding it more convenient with their daily living activities. The *Invacare Matrix Flo-tech Image* combines the benefit of a contoured foam upper surface with a large fluid sac covering the ischial and sacral area, offering increased support and reducing the peak pressures.

Contoured seating surface with gel sac

Offers improved stability and postural support; moulded foam castellations and fluid combine effectively to reduce shear and friction forces on tissue.

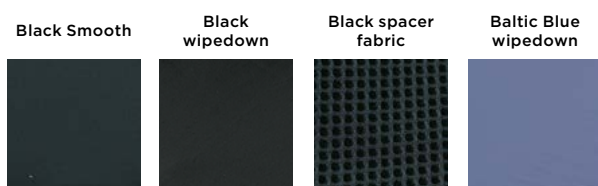
Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty	
							Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)
Matrix Flo-tech Image	A range of 50 sizes	78 mm	1.82 kg	140 kg (22 stone)	80°	3 years	

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



		WIDTH						
cm		36	38	41	43	46	48	51
inch		14	15	16	17	18	19	20
DEPTH	33	13						
	36	14						
	38	15						
	41	16						
	43	17						
	46	18						
	48	19						
	51	20						
53	21							

matrix[®]
SEATING SERIES

Flo-tech™ Solution



Slimline cushion with unique
dual fluid sac system



The *Invacare **Matrix Flo-tech Solution*** cushion uses a combination of a slim, shaped foam cushion base and a dual layer of fluid sacs over the ischial and sacral area. The dual fluid sacs and the unique moulded foam shape of the solution increase the support surface area. This delivers a superior level of protection for patients identified as being at Very High Risk of developing pressure ulcers, or for those with already established tissue damage.

Features and Options



Ingress resistant cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle for easy transportation.



Available in 80 sizes

The *Invacare **Matrix Flo-tech Solution*** is available in a range of 80 sizes, from 14-24" widths and 13-22" depths. (See size chart for details).



*Invacare **Matrix Flo-tech Deep Solution** option*

Option of a 10 cm (4") "Deep" foam base is also available in 12 sizes. (See prescription chart for details).



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria. Helps provide longer lasting freshness.

Slimline contoured foam base with large dual fluid sac covering the entire top surface of the cushion

The contact area between the individual and the foam cushion is protected, as the fluid displaces to redistribute pressure away from bony prominences. The additional layer of fluid is incorporated under the ischial and sacral area to further enhance the pressure reducing qualities of this cushion, making this cushion suitable for those at very high risk.

Slimline contoured cushion

Some individuals prefer a slimline cushion, finding it more convenient with their daily living activities. The low profile is particularly beneficial for the facilitation of side transfers.

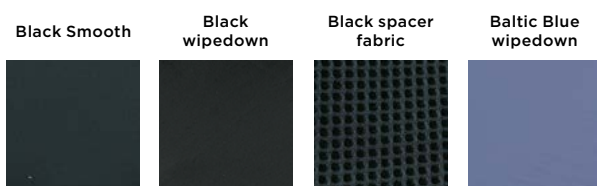
Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty	
							Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)
Matrix Flo-tech Solution	A range of 80 sizes	78 mm	3.08 kg	140 kg	80°	3 years	

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Cover options



		WIDTH										
cm		36	38	41	43	46	48	51	53	56	58	61
inch		14	15	16	17	18	19	20	21	22	23	24
DEPTH	33											
	36											
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matrx[®]
SEATING SERIES

Flo-tech™ Solution Xtra™



High risk cushion & modular
positioning system





Combines excellent pressure-reducing properties with the promotion of active correction and management of posture.

The *Invacare* **Matrix Flo-tech Solution Xtra Cushion and Modular System** has been developed alongside clinicians to address complex seating needs.

Through using this **modular system**, therapeutic interventions can be more effectively addressed with regards to postural maintenance by enhancing function, maximizing comfort and preserving skin integrity.

Helps correct and manage posture

The modular components are manufactured from high-density resilient foam, to achieve active correction and posture management. The wedges feature witness marks and hook and loop fixings, enabling them to be cut to meet the needs of the individual. The application of wedges beneath the cushion combined with the deployment of modular components on the top surface deliver a highly versatile range of options for therapists seeking to achieve specific postural management interventions.



Large dual fluid sac covering the entire top surface of the cushion

The first layer of fluid re-distributes pressure away from bony prominences so that the contact area between the person and the foam cushion is protected, The additional layer of fluid is incorporated under the ischial and sacral area to further enhance the pressure-reducing qualities of this cushion, making it suitable for those at a Very High Risk of developing pressure ulcers.

Cover Design

The cover is manufactured with an ingress-resistant material, which inhibits fluids from absorbing into the fabric. In addition, the cover expands to allow components to be added. The cover features two zips with colour coded sliders: blue to open and green to expand. It can also be opened either from the top or the bottom to adjust the components as necessary.

Features and options



Pelvic obliquity pad

The pelvic obliquity pad can be inserted into either side of the ischial well under the gel pad to help correct fixed pelvic obliquities.



Hip aligner

The hip aligner can be placed on either side on the rear edge of the cushion, secured by the hook and loop fastener, and used either unilaterally or bilaterally to encourage mid-lining and hip alignment.



Thigh aligner

The thigh aligner can be placed on either side at the front of the femoral shelf and used either unilaterally or bilaterally to reduce external rotation and abduction of the thighs.



Pommel - standard or deep

The pommel can be placed on the front of the cushion to increase the existing pommel height helping femoral alignment, maintaining hip joints and can assist with spasticity.



Rigidisers

The Rigidiser is to be placed under the whole cushion (including wedges). This maintains a firm base on slung canvases to maximise effect of component parts.



Fluid sac

A Fluid Pack can be inserted into the ischial well where required, and can be doubled for specific placing. Specific placement will help prevent forward sliding, assist with sacral pressure and help mild pelvic obliquity.



Front Wedge

Front Wedge is to be placed on the underneath of the cushion base and will need to be trimmed to size. It can assist with pelvic stability and accommodates posterior tilt whilst reducing anterior tilt.



Side (tapered) Wedges

Side wedges can be placed on any corner of the cushion base. Can help assist lateral hip rotation and thigh alignment or even used under one thigh for mild hip flexion discrepancies and reducing milder postural positioning.

Features and options



Lateral Wedges

Lateral Wedges are to be trimmed to the size of the cushion and placed underneath to help facilitate lateral pelvic and hip stability while encouraging more contoured positioning.

Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria and helps provide longer lasting freshness.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Size range	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature	Warranty					
	80		78 mm		3.08 kg		140 kg (22 stone)		80°		3 years

Matrix
Flo-tech Xtra



Bariatric use

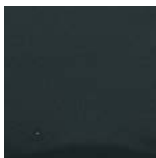
1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Manufactured to European Standards:

BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)

Cover options

Black Smooth



Black spacer fabric



Please notice colours may vary slightly from those displayed above.

		WIDTH											
		36	38	41	43	46	48	51	53	55	58	61	
		inch	14	15	16	17	18	19	20	21	22	23	24
DEPTH	31	12											
	33	13											
	36	14											
	38	15											
	41	16											
	43	17											
	46	18											
	48	19											
	51	20											
	53	21											
	55	22											

matrx[®]
SEATING SERIES

Matrx[®] Libra[®]



Superior function with very high level
of protection and positioning



With a perfect balance of immersion, off-loading and envelopment, the *Invacare Matrx Libra* cushion delivers the highest level of skin protection and positioning. The moulded foam base effectively redistributes forces to the hips and thighs, providing stability to optimise function. The unique dual layer fluid sac provides complete envelopment of bony prominences. Lightweight, low profile, and maintenance free, the **Libra** complements a variety of manual and power mobility bases. A full range of positioning accessories is available for extra support and targeted positioning.



Unique design

- Combination of foam and fluid for highest level of skin protection, positioning and adjustability for individual needs
- New dual layer fluid sac with *Invacare's Flo-tech™* technology envelops bony prominences and reduces shear using non-temperature sensitive fluid for worry-free, reliable protection
- Highly durable HR-moulded foam base: innovative design increases immersion and balances posture



Functional benefits

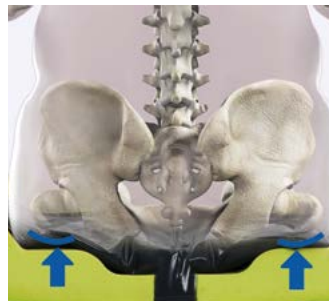
- Improves pelvic stability from all sides, optimising function
- Suitable for individuals at very high risk for skin breakdown
- Lightweight, low-profile, and maintenance free, **Libra** complements an active lifestyle
- Recommended for all individuals including those with specific seating needs

Features and options



Immersion

Maximises surface contact area in order to reduce peak pressures. Pressure = Force/Area.



Off-Loading

Transfers forces away from the ischial tuberosities with greater weight bearing on the trochanters, hips and thighs.



Envelopment

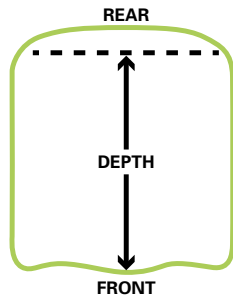
Fluid sac completely surrounds the bony prominences, even during position changes.



Pelvic Stability

Contouring of the pelvic well provides lateral trochanteric support and anterior/posterior pelvic stability, promoting spinal extension for improved upper extremity function, head control and physiological function.

Features and options



Waterfall cut

For tight hamstrings, easier transfers and foot propulsion.

Cushion size

Actual seat depth is 380 mm longer when measured along the middle, due to the rear cushion radius.

Rear cushion radius

A 380 mm curved extension for maximum surface area minimizes gap between seat and backrest. Stabilizes fluid in tilted positions, with coccyx cut out for added relief.



Anterior wedge

Increases slope, prevents sliding and reduces shear.

Trimmed anterior wedge

For hip flexion limitations and/or lower seat height for foot propulsion.



Tapered wedge

For enhanced adductor support.

Tapered wedge

For obliquity and pelvic rotation when used in rear.



Lateral wedge

Reinforces lateral stability for enhanced midline positioning.

Fluid supplement sac

For targeted protection/obliquity accommodation. Fits securely inside main sac and pelvic well.

Abductor


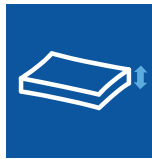




For comfortable mid-line positioning of thighs and hips.

Side pocket for convenient storage

Includes quad pull cord.

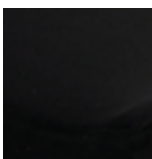
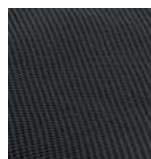
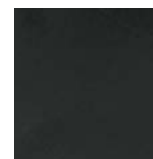
Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

 <p>Size range</p>	 <p>Height</p>	 <p>Total product weight</p>	 <p>Max. user weight</p>	 <p>Max. cleaning temperature</p>	 <p>Surface cleaning</p>
<p>35 sizes</p>	<p>89 mm</p>	<p>1.6 kg</p>	<p>Std 136 kg HD 227kg</p>	<p>Outer cover: 80°</p>	<p>Inner liner: With damp cloth</p>



Cover options

<p>Black Smooth</p>  <p>Water resistant Vapour permeable</p>	<p>Black spacer fabric</p>  <p>Vapour permeable</p>	<p>Black wipedown</p>  <p>Water resistant Vapour permeable</p>
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Please notice colors may vary slightly from those displayed above.

		WIDTH									
		36	38	41	43	46	48	51	53	56	
		inch	14	15	16	17	18	19	20	21	22
DEPTH	30	12									
	36	14									
	41	16									
	43	17									
	46	18									
	51	20									
56	22										

Meet David
Matrx® Libra and MX2 Case Study

David is 37 and lives with his girlfriend in Culebrug in the Netherlands. At the age of 23 he was diagnosed with Ehlers-Danlos Syndrome. His condition has meant that over the years he has become increasingly dependent upon a wheelchair for mobility, although currently he is still able to walk short distances.

David takes a keen interest in the different products (seat cushions and back supports) available on the market. He makes about 1000 different equipment purchases each year, in a bid to increase both his own and other people's product awareness to help when making equipment choices. In his spare time, he enjoys travelling around Europe and handbiking.

David contacted Invacare, seeking to trial the Matrx Libra cushion. He met with Rhona Mould, Invacare's Clinical Specialist to discuss his needs.

David owns a previously purchased Oracare medical custom-made armchair, which has an engulfer. He currently uses an Invacare Fresh Image cushion, combined with a back support, both of which he was given to trial.

He states that he likes the cushion, however, he indicates it's the wrong size for his wheelchair as it's a foam cushion and that it has a hard, back shock absorber and has started to sag, not giving him the postural stability he needs. He also notes that the fluid has a tendency to flow over the rear edge of the cushion, leaving him with nothing under his buttocks when he goes to skin breakdown.

Following a suitable, adjustable cushion with proper protection for a wheelchair with an engulfer is not easy.

Although he currently has no skin issues, David reports that he has had marking and rashes under his heated lubricator (TL) in the area.

David feels his previous backrest gave him good support, especially laterally around his lower rib cage, but he found the foam pads too firm and that the back lacked flexibility. Skin integrity is a real issue for David, his skin marks easily. David has noticed the rashes when he uses his substitute and thinks this is because of the postural position he adopts, limiting his activity tolerance. Previously, David was a keen cyclist, covering up to average 500km a day. He would study how to be able to increase the distance he can cover with his handbike.

David has trialed a number of other back supports and cushions. His first wheelchair came fitted with a tension adjustable back support, and a standard 10" (25.4") foam cushion, but neither proved appropriate. The cushion caused him pain and the back support sagged and broke his skin.

Next, he tried another foam cushion, which combined two types of foam. However, this didn't make a difference either. He then looked at low profile inflatable air cushions, which he thought would be better. This, he remarked, was better than the first cushion, but didn't provide enough shock absorbency outdoors, leading to lower back pain. He then looked at high profile inflatable air cushions and felt that this was an improvement to the low profile version, but it still didn't



Other resources available

- Understanding Matrx Libra Poster
- Matrx Clinical evidence book
- Case study: Meet David

matrx[®]
SEATING SERIES

Mini Seating Series



Transforming kids seating



The *Invacare* **Matrx Mini Back** and **Mini PS Cushions** are designed to provide exceptional support with maximum freedom of movement. Every element of the Mini Series has been carefully designed and constructed, keeping paediatrics at the forefront at every stage. Key features include:

- Lightweight, contoured and durable backrest
- Highly resilient contoured foam cushion
- Highly-adjustable **Matrx Mini Elan** headrest



Lightweight, contoured and durable backrest

The *Invacare* **Matrx Mini Back** provides comfort, stability and improved positioning. Its Mini Set hardware can be installed and adjusted in minutes while its quick release mechanism makes the lightweight backrest highly portable.

The *Invacare* **Matrx Mini Back** offers the possibility to adjust for growth and the adjustable mounting pins allow it to fit to chairs with the same or 25 mm wider back.



Highly resilient contoured foam cushion

The *Invacare* **Matrx Mini PS** is an anatomically contoured, high quality foam cushion with a waffled ischial relief section for improved positioning and comfort. The moulded foam provides a three-dimensional form and offers improved stability and support to the individual. Moulded foam is also highly durable, increasing the product's longevity.





Cover

Back - Water resistant and breathable with attractive Kid*ab*ra print.

Cushion - Complete with zippered Startex inner cover and Kid*ab*ra print outer cover. It is easy to remove to allow modifications/laundrying.



Mini Set Back Hardware

Allows 100 mm of depth adjustment to accommodate growth and can recline up to 30° and rotate. The hardware fits 25 mm, 22 mm & 19 mm diameter back canes.



Mini Swing-away Laterals

Height, width and depth adjustable lateral support for added stability and positioning. Latch release mechanism allows pads to be rotated out of the way for side transfers. Pad size W110 mm x H82 mm.



Headrest Clamp

Mini backs are pre-drilled to allow easy attachment of headrests.



Mini Elan Headrest

Elan hardware is infinitely adjustable through 6 adjustment points with a full range of Elan positioning pads - see the Elan headrest brochure for further details.



Chest Harness Interface Kit

Allows attachment of chest support straps to mini backs.

Cover options

Kid*ab*ra print



Startex inner cover with funky print on outer cover

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Height	Width	Contour depth	Depth adjustment	Angle adjustment	Total product weight	Max. user weight
Back	180, 260, 310, 360 mm	260, 280, 310, 330, 360 mm	80 mm	100 mm	30° range +/- 15°	400 g and up	68 kg

	Width	Depth	Height	Total product weight	Max. user weight
Cushion	260, 280, 310, 330, 360 mm	260, 310, 360, 410 mm	50 mm	150 g and up	68 kg (10.7 stone)

Back

		WIDTH				
		26	28	31	33	36
DEPTH	cm					
	inch	10	11	12	13	14
	18	07				
	26	10				
	31	12				
36	14					

Cushion

		WIDTH				
		26	28	31	33	36
DEPTH	cm					
	inch	10	11	12	13	14
	26	10				
	31	12				
	36	14				
41	16					



matrix[®]
SEATING SERIES

Matrix[®] Seating Series



Invacare **Matrx** backs are easy to interchange, install and adjust. Combined with a wide range of contoured seat cushions, the Matrx Seating Series provides you with a complete seating solution which is highly effective in meeting the widest range of individual needs.

Invacare's **Matrx Elite** backrest system has been superseded by the new **Matrx Elite E2** series. Information on Invacare's range of **Matrx Elite E2** backs can be found in a new dedicated brochure. Visit www.invacare.co.uk or request a digital copy from uk@invacare.com.

Invacare **Matrx PB Back**



The *Invacare Matrx PB Posture Back* is contoured to provide midline support and positioning. The extensive range of sizes provides exceptional support and comfort for a variety of individuals.

13 cm Contour Depth-standard



Sacral/lumbar support

Foam:

- Moulded foam wraps around shell for maximum comfort and protection

Outer cover:

- Moisture resistant and breathable

Sacral/lumbar support:

- Includes removable positioning pad

Back shell:

- Contoured shell provides exceptional midline support and positioning
- Durable, lightweight back shell includes built-in plate for headrest attachment

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while the individual is seated in the wheelchair
- Easy Set (quick release), Split or Fixed mounting hardware available
- Refer to Hardware page 8

Posture Back sizes		Heavy-Duty sizes	
Width	36cm/14"	Width	51cm/20"
	41cm/16"		56cm/22"
	43cm/17"		61cm/24"
	46cm/18"	Height	41cm/16"
	51cm/20"		51cm/20"
Height	31cm/12"	Weight Capacity	227kg (35.7 stone)
	41 cm/16"		
	51 cm/20"		
Weight Capacity	136 kg (21.4 stone)	Extra Wide sizes	
		Width	61-76cm/24-30"
			Height
		Weight Capacity	227kg (35.7 stone)

PB BACK			
Product Code	Width	Height	Fits Wheelchair Width
MPB1412NH	36cm/14"	31cm/12"	33-38 cm
MPB1416NH	36cm/14"	41cm/16"	33-38 cm
MPB1612NH	41cm/16"	31cm/12"	38-43 cm
MPB1616NH	41cm/16"	41cm/16"	38-43 cm
MPB1620NH	41cm/16"	51cm/20"	38-43 cm
MPB1712NH	43cm/17"	31cm/12"	41-46 cm
MPB1716NH	43cm/17"	41cm/16"	41-46 cm
MPB1720NH	43cm/17"	51cm/20"	41-46 cm
MPB1812NH	46cm/18"	31cm/12"	43-48 cm
MPB1816NH	46cm/18"	41cm/16"	43-48 cm
MPB1820NH	46cm/18"	51cm/20"	43-48 cm
MPB2012NH	51cm/20"	31cm/12"	48-51 cm
MPB2016NH	51cm/20"	41cm/16"	48-51 cm
MPB2020NH	51cm/20"	51cm/20"	48-51 cm

HEAVY DUTY PB BACK	
Back	Product Code
	Fits Wheelchair Width
HDB2016	51-53cm/20-21"
HDB2020	51-53cm/20-21"
HDB2216	56-59cm/22-23"
HDB2220	56-59cm/22-23"
HDB2416	61-64cm/24-25"
HDB2420	61-64cm/24-25"
HDBWW16	Fits wheelchair width Up to 76cm/30"
HDBWW20	Fits wheelchair width Up to 76cm/30"



The *Invacare Matrix PB Deep back* provides the same features as the standard Posture Back with increased contour depth for more midline guidance and positioning.

Foam

- Molded foam wraps around shell for maximum comfort and protection

Outer cover:

- Moisture resistant and breathable

Sacral/lumbar support:

- Includes removable positioning pad

Back shell:

- Deep contoured shell provides exceptional midline support and positioning
- Durable, lightweight back shell includes built-in plate for headrest attachment

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while the individual is seated in the wheelchair
- Easy Set (quick release), Split or Fixed mounting hardware available
- Refer to Hardware page 8



Sacral/lumbar support

Deep PB back sizes	
Width	36 cm, 41 cm, 43 cm, 46 cm, 51 cm
Height	31 cm, 41 cm, 51 cm
Weight Capacity	136 kg (21.4 stone)

Heavy-Duty sizes	
Width	51 cm, 56 cm, 61 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg (35.7 stone)

Extra Wide sizes	
Width	61-76 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg (35.7 stone)

PB DEEP BACK			
Product Code	Width	Height	Fits Wheelchair Width
PBD1412NH	36cm/14"	31cm/12"	33-38 cm
PBD1416NH	36cm/14"	41cm/16"	33-38 cm
PBD1612NH	41cm/16"	31cm/12"	38-43 cm
PBD1616NH	41cm/16"	41cm/16"	38-43 cm
PBD1620NH	41cm/16"	51cm/20"	38-43 cm
PBD1712NH	43cm/17"	31cm/12"	41-46 cm
PBD1716NH	43cm/17"	41cm/16"	41-46 cm
PBD1720NH	43cm/17"	51cm/20"	41-46 cm
PBD1812NH	46cm/18"	31cm/12"	43-48 cm
PBD1816NH	46cm/18"	41cm/16"	43-48 cm
PBD1820NH	46cm/18"	51cm/20"	43-48 cm
PBD2012NH	51cm/20"	31cm/12"	48-53 cm
PBD2016NH	51cm/20"	41cm/16"	48-53 cm
PBD2020NH	51cm/20"	51cm/20"	48-53 cm

HEAVY DUTY PB DEEP BACK	
Product Code	
Back	Fits Wheelchair Width
DHD2016	51-53cm/20-21"
DHD2020	51-53cm/20-21"
DHD2216	56-59cm/22-23"
DHD2220	56-59cm/22-23"
DHD2416	61-64cm/24-25"
DHD2420	61-64cm/24-25"
DHDWW16	Fits wheelchair widths Upto 76cm/30"
DHDWW20	Fits wheelchair widths Upto 76cm/30"

Invacare **Matrix Hardware**

The *Invacare Matrix Easy Set hardware* is easily installed in minutes, and all adjustments can be made with the individual seated in the wheelchair.

(N.B. Hardware options are not applicable to **NEW 2021 Elite E2 backs** - please see dedicated brochure)



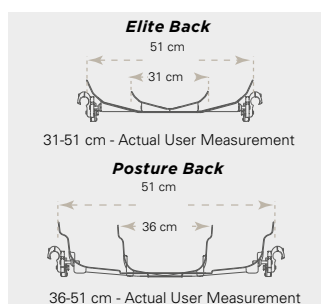
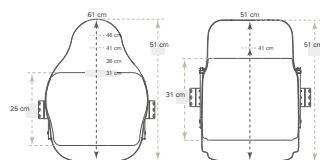
Key Features and Functional Benefits

- Quick release for easy portability
- Adjustment of depth 10.2 cm, angle (40°) and rotation
- Standard fits 1.9 cm, 2.2 cm and 2.5 cm diameter canes
- Option to fit to 2.9cm diameter back canes

Optional Privacy Flap Attachment

All **Matrix PB Backs** and **Matrix Elite Backs** include loop fasteners for easy addition of the optional Privacy Flap. Four standard sizes of Privacy Flaps are available to fit all standard **Elite** and **Elite deep** backs from 30.5 to 50.5 cm wide.

Features and options



Styles

Invacare Matrix backs: Elite, Elite Deep, PB and PB Deep are interchangeable on the **Easy Set Hardware**.

Heights

Several back heights available to provide support from low to upper thoracic.

Widths

Backs widths from 31-51cm/12-20" are available to provide exact fit for each individual.

Contour Depth

Choice of 4 contour depths for appropriate midline support requirements.

Accessories - Mounting Pins

Standard Mounting Pins

Standard mounting pins (included with all *Invacare Matrix PB/Elite backs*) allow the backrest to fit chairs 2.5 cm narrower or the same width.

Longer Mounting Pins

Longer mounting pins (included with all *Invacare Matrix PB/Elite backs*) allow the backrest to fit chairs 2.5 cm wider.



Extended Mounting Pins

Optional extended mounting pins available for *Invacare Matrix PB & Elite Backs* (Not available on Heavy Duty PB backs) allows the back to fit chairs up to 5 cm wider.

Easy Set Hardware Adjustments



Depth

Adjusts 5 cm behind back canes.



Depth

Adjusts 5 cm in front of back canes.



Angle

20° anterior range of back angle adjustment.



Angle

20° posterior range of back angle adjustment.



Rotation

Back may be orientated to accommodate pelvic/trunk rotation.

PBMH - Fits 190, 220 and 250mm back canes
 PBMHQ - Fits 290mm back canes

Other Mounting Hardware Options



Heavy Duty "Easy-Set" Mounting Hardware - HDMH

- Standard with Heavy-Duty Posture Backs
- Recommended for individuals over 136 kg, high tone or heavy use



Fixed Space Saver Mounting Hardware - FSSH

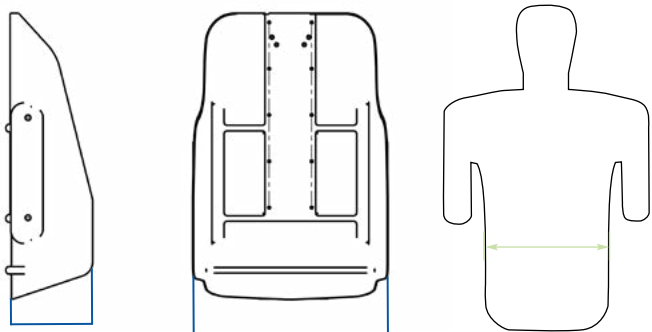
- Non-Portable
- Requires tools for removal of back from wheelchair
- Saves space for tighter width applications
- Fully adjustable



Split Mounting Hardware SMH

- Provides clearance of mid back cane rigidizer bars or other impedences on the back canes
- Not recommended for Heavy-Duty Posture backs

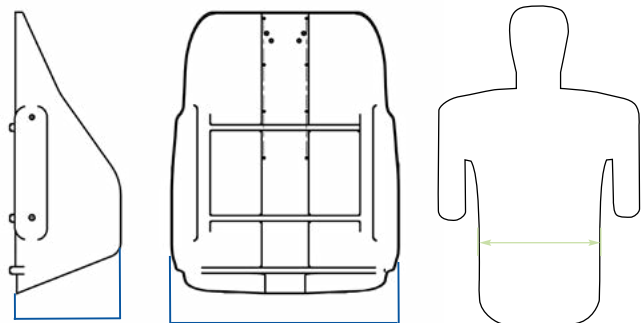
Invacare **Matrix Back Specifications**



C - Contour depth A - Outer width B - Trunk Width

Invacare **Matrix PB Back**

Back Height	305 mm, 405 mm, 505 mm				
Width	355 mm	405 mm	430 mm	455 mm	505 mm
Back Shell Only					
A-Outer Width	310 mm	360 mm	385 mm	420 mm	465 mm
C-Contour Depth	125 mm	125 mm	125 mm	125 mm	125 mm
Back Shell with Cover & Foam					
B-Trunk Width	230 mm	275 mm	300 mm	330 mm	375 mm



C - Contour depth A - Outer width B - Trunk Width

Invacare **Matrix PB Deep Back**

Back Height	305 mm, 405 mm, 505 mm				
Width	355 mm	405 mm	430 mm	455 mm	505 mm
Back Shell Only					
A-Outer Width	320 mm	370 mm	395 mm	435 mm	475 mm
C-Contour Depth	178 mm	178 mm	178 mm	178 mm	178 mm
Back Shell with Cover & Foam					
B-Trunk Width	230 mm	275 mm	300 mm	330 mm	375 mm
Depth adjustment	100 mm (50 mm in front or behind)				
Angle Adjustment	40 °				
Product Weight	Standard - 1.81 kg Deep - 2.25 kg				
Weight Capacity	Standard - 136kg Deep - 227kg				
Warranty	2 years				

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Width	Back shell weight	Max. user weight	Max. cleaning temperature
PB Back	14-20 inches	1.81 kg	136 kg	Cover: 60°
PB Deep Back	14-20 inches	2.25 kg	136 kg	Cover: 60°
HD PB Back	20-30 inches	3.15 kg	227 kg	Cover: 60°
HD PB Deep Back	20-30 inches	3.70 kg	227 kg	Cover: 60°



Fire Testing:
EN 1021: Part 1 & 2

Bio-Compatibility:
ISO 10993-5

Cover options

Mesh Tex fabric



Please notice colors may vary slightly from those displayed above.



matrix[®]
SEATING SERIES

MX2 Backrest



Specially engineered carbon fibre
providing unmatched stability
for ultimate freedom and performance



Designed for active individuals, the **MX2** is an ultra lightweight backrest with a fresh look and attractive design. A stylish add-on to any lightweight manual wheelchair, the **MX2** offers exceptional support to the lower trunk and pelvis, adding comfort and stability for optimised function – either to self-propel or engage in day to day activities.

With the **MX2**, you have it all – aesthetics, support, comfort and functionality.



Lightweight carbon fibre shell

The **MX2** has been specially designed using several layers of carbon fibre to optimise flex and shock absorption. This means that the backrest will have the flexibility to accommodate the individual's movements whilst helping to keep them in a midline position; which is exactly what an active person needs – stable freedom of movement. It will also play a major role in vibration dampening, especially when combined with the carbon fixation hardware, which enables individuals to ride more comfortably.

The perfect shape

The **MX2** offers a 76 mm depth of anatomical contouring for enhanced lateral stability and immersion of the trunk. Lateral cutouts for the hips allow increased freedom of movement; ideal when leaning laterally for pressure relief or when reaching to pick up objects. The scapula cutout allows for freedom of movement of the shoulder blade, without compromising on support, allowing the individual to self-propel efficiently, even with a higher back.



Features and options

Back shell

- Available in four heights and five widths allowing everyone to find a perfect match
- Cutouts for breathability to help manage microclimate
- Slotted design to allow height adjustments even when the individual is in the chair
- Breathable Spacer cover – backrests 230 mm or higher come with leatherette side panels
- Oversized foam for enhanced comfort and protection



Easy fit hardware

The **MX2** comes available with two types of hardware – Fixed Mount or Mini Set (quick release) – both allowing for 3D adjustment in:

- Height
- Depth (76 mm with fixed hardware; 108 mm with easy set hardware) and Angle ($\pm 15^\circ$ stepless)
- Rotation

The backrest hardware is also width adjustable, allowing the backrest to be fitted to wheelchairs that are up to 25 mm narrower or wider than the actual backrest width – an ideal feature for those with a wider back and narrower hips, or a narrow back and wider hips.

All of these adjustment possibilities ensure a precise fit and positioning in every rigid or folding wheelchair frame with a backrest tube diameter of 19 mm, 22 mm and 25 mm.



Fixed mount

Constructed with a carbon fibre plate to reduce overall weight.

Easy Set (quick release)

Easy to remove for portability.

Features and options

Privacy flap

An optional privacy flap which covers the opening between the seat and back.



Positioning Pad

A lumbar pad is included as standard, providing lower back support for those who need additional comfort.

Technical data

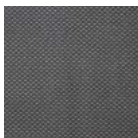
For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

	Width	Height	Angle adjustment	Depth adjustment	Total product weight	Cover cleaning temperature	Max. user weight	Limited warranty
Matrx MX2	355, 380, 405, 430, 455 mm	150, 230, 310, 410 mm	+/- 15°	76 mm ¹ 108 mm ²	starting 770 gr and up (with fixed hardware included)	60°	113kg (17 stone)	2 years

1. With Fixed Hardware
2. With Quick Release Hardware

Cover options

Black spacer fabric



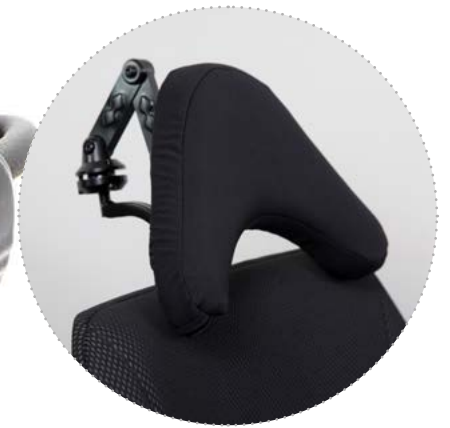
		WIDTH					
		mm	355	380	405	430	455
		inch	14	15	16	17	18
DEPTH	150	6					
	230	9					
	310	12					
	410	16					

Other resources available

- Case Study: Meet Catarina
- Case Study: Meet David

matrix[®]
SEATING SERIES

Elan Headrests



Highly-adjustable support
and comfort



The elegant *Invacare Matrix Elan* takes our seating range to the next level with its compact, lightweight and adjustable design. The headrest offers superb support and comfort and compliments a full range of paediatric through to adult applications. Key features include:

- Highly adjustable hardware
- Tool-less swingback
- Range of pad options



Highly adjustable hardware

- The innovative hardware on the Elan headrest has six points of adjustment to provide infinite positioning opportunities, including a swing away function, to assist with transfers
- The headrests can be set up quickly and effectively with a single tool while the multi-disk locking feature provides superior holding strength and reliability
- The tool-less adjustment levers make it easy to change the position of the headrest to meet individual's needs
- There are three post options available, the standard adult (380mm) or the mini (280 mm), which extended adult hardware (featuring an extra link) to Matrix backs and are compatible with a number of other headrest receivers on the market



Range of pad options



3 Standard pad options

Ellipse-shaped headrest pads for posterior and lateral support. Can be moulded to fit the shape of the person's head. Available in 3 sizes: 150 x 90 mm, 250 x 130 mm or 360 x 130 mm.



2 Occipital pad options

Provides contoured support to the occipital and sub-occipital areas of the head. Available in two sizes: 230 x 180 mm or 310 x 200 mm.



4-point support

Provides 4 points of support to the occipital and temporal areas of the head for optimum positioning while carefully constructed to fit around the ears. Available in size 280 x 260 mm.

Features

2 tailored cover options

The standard pad cover (Startex fabric) is breathable and sweatresistant. The infection control cover (reverse Startex) is the easy clean version. Both cover options are easy to remove thanks to the elongated dual zip.



Dual density foam

The high density moulded foam provides immersion, comfort, protection and prevents bottoming out. The *Invacare Matrix* pads are 45% lighter than most other pads on the market and surround the edges of the backing plates for extra protection.



Tool-less adjustments

- 1 Adjustment levers allow easy position changes. Fixed screws provided if set position desired.
- 2 Attachment knob has a slim, ergonomic design to allow easy headrest removal or height adjustment.



Interface insert

Two adapters are available which allow the *Matrix Elan* headrest to be fitted to *Invacare Flex 3* solid or tension-adjustable backs.



Multi-disk locking feature

The innovative locking feature provides superior holding strength and reliability.



Adjustable aluminium plates

All pad options can be hand-shaped to fit the needs of the person.

Accessories



Head strap

The head strap helps prevent downward tilt of the head ultimately improving respiratory function, eating and drinking ability. Attached to the head pad plate slots and cleverly swivels at point of attachment to maintain support and visual field.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

Hardware Options

Elan Standard Hardware	380 mm Vertical Post
Elan Mini Hardware	280 mm Vertical Post

Pad Options

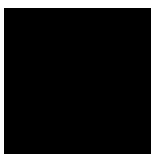
150 mm Ellipse Pad	150 x 90 mm
250 mm Ellipse Pad	250 x 130 mm
360 mm Ellipse Pad	360 x 130 mm
230 mm Occipital Pad	230 x 180 mm
310 mm Occipital Pad	310 x 200 mm
Standard 4 point pad	280 x 260 mm
Small 4 Point pad	230 x 180 mm



Cover options

Startex

Wipedown



matrx[®]
SEATING SERIES

Flo-tech™ Back Support



The *Matrx Flo-tech Back Support* Range



The *Invacare* **Matrix Flo-tech Back Support** range has been designed to provide added stability to individuals in a wheelchair or standard armchair and it can be used in conjunction with any **Matrix Flo-tech** cushion.

The **Matrix Flo-tech Back Support** range provides excellent comfort and improved positioning, which in turn helps to improve or maintain independence whilst in the seated position in a wheelchair or armchair. The unique supportive design offers protection from pressure ulcer formation and spinal deformities which can cause severe pain.

A highly protective Back Support Features and Options

The **Back Support** provides a high degree of stability and protection from pressure ulcer development.

The added support of the Lumbar

The **Back Support with Lumbar** can be used for those patients who wish to have increased lateral and pelvic stability. The Visco Elastic Lumbar Support contours to the individual and can be easily adjusted and secured with hook and loop fastener pads, to accommodate a range of heights.



Cover is moisture resistant

Cover is two-way stretch, moisture-resistant and vapour-permeable, which helps to prevent a build up of shear and friction forces.

Extendable Straps





Offers a securely fixed **Back Support** on a standard armchair or wheelchair. The straps are easy to adjust and can be fixed to a position to provide maximum comfort and support.

Ultra-fresh™ added to all Flo-tech foam for antimicrobial and odour protection

Antimicrobial treatment that has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria. Helps provide longer lasting freshness.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please visit www.invacare.co.uk

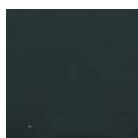
Max. user weight	Max. cleaning temperature	Total product weight	Warranty
 165 kg	 80°	 1.1 kg	 3 years

Matrix Flo-tech Back Support

Back Support and Lumbar are manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 5852: Crib 5

Cover options

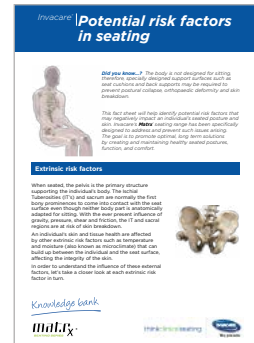
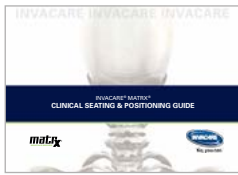
Black Smooth



Lumbar support

- Simple to use on armchairs or wheelchairs
- Constructed of two foams, Visco and HR foam
- Added support to the lower back





Clinical Seating & Positioning guide

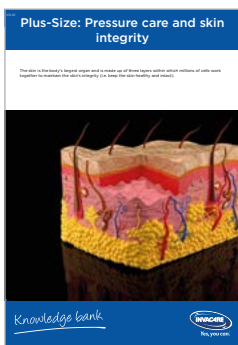
Available for download at www.invacare.co.uk or order A5 printed booklets code: 1567216

Clinical Seating & Positioning: Understanding Matrix Seating

Order A2 printed posters code: 1555570

Seating risk factors

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Plus size: Pressure care and skin integrity

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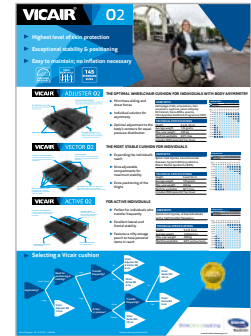
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Meet the Specialist Seating & Positioning team



Peter Hubbard
National Sales Manager
07977 980 734
phubbard@invacare.com



Andy Boyes
North
07973 830 336
aboyes@invacare.com



Adrian Turner
Central
(covering Home Counties)
07967 185 839
aturner@invacare.com



Steve Nash
Wales & South West
07970 112 992
snash@invacare.com



Jim Gaw
Scotland
07506 487 859
jgaw@invacare.com



Simon Harwood
London & South East
07903 298 979
sharwood@invacare.com



Michael McQuitty
Northern Ireland
07977 409 252
mmcquitt@invacare.com



Tel: +44 1 656 776 222
Fax: +44 1656 776 220
E-mail: uk@invacare.com
Sales Order E-mail:
ordersuk@invacare.com
www.invacare.co.uk

Invacare Limited
Pencoed Technology Park
Pencoed - Bridgend CF35
5AQ - United Kingdom

Tel. +353 1 8107084
Fax +353 1 8107085
Email: ireland@invacare.com
www.invacare.ie

Invacare Ireland Ltd
Unit 5 - Seatown
Business Campus
Seatown Road
SWORDS - County
Dublin - Ireland

