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Flo-tech brochure - UK - 09/2011 - 1488709

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www.invacare.co.uk
www.invacare.ie
Invacare Flo-tech® cushions offer a unique range of ergonomically designed pressure reducing surfaces, shaped to promote good posture and effective pressure reduction.

The risk of developing pressure ulcers is significantly increased when patients or those who use a wheelchair spend extended periods in the seated position. A further complication associated with sitting for extended periods are the practical aspects of repositioning and the impairment of venous return. Invacare provide an educational package entitled Clinical Concepts of Seating, aimed at increasing awareness of the risks associated with inappropriate seating. In addition, sitting can create an unstable posture and the performance of any pressure reducing cushion cannot be properly evaluated without taking into account the overall seating position, and the existence of factors which may contribute to the development of pressure ulcers.

■ To ensure that thigh and buttocks are adequately supported
■ To reduce vulnerability to pressure ulcers
■ To maintain a balanced and symmetrical position
■ To reduce spasm and spasticity
■ To reduce contractures and deformities
■ To reduce discomfort and pain
■ To enhance any retained mobility and ability

An ideal pressure reducing cushion should:
■ Distribute weight over as wide an area as possible
■ Prevent tissue deformation
■ Conform to the clients’ shape
■ Not bottom out
■ Offer additional support at the sides and rear
■ Facilitate the clients’ lifestyle

To view the size options for the full range of cushions in this brochure, please visit www.invacare.co.uk. (For Ireland, please go to www.invacare.ie)

Note: The term ‘Pressure Relieving’ is used by the National Institute of Clinical Excellence (NCE) guidelines 2003. Consequently there are guidelines and articles that describe cushions that reduce pressure as ‘Pressure Relieving’. Within this brochure, Invacare describes the Flo-tech range as ‘Pressure Relieving’ to assist with the product selection and educational needs of the client and clinician.
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</table>
**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.
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 clients clothing and the foam core from soiling. A platilon interliner is also available as an option.

Available in a wide range of sizes
To view the cushion size range, please visit www.invacare.co.uk.

Technical data

<table>
<thead>
<tr>
<th></th>
<th>Low profile</th>
<th>Basic</th>
<th>Max Client Weight: 2”</th>
<th>Width: 50.8 mm</th>
<th>Max Client Weight: 3”</th>
<th>Width: 76.2 mm</th>
<th>Weight: 0.5 kg</th>
<th>Weight: 0.8 kg</th>
<th>Cleaning: 80°</th>
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<tr>
<td></td>
<td>2” 12 stone</td>
<td>3” 17 stone</td>
<td></td>
<td>2” 50.8 mm</td>
<td>3” 76.2 mm</td>
<td>12 stone (78 kg)</td>
<td>17 stone (108 kg)</td>
<td></td>
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</tbody>
</table>

Manufactured to European Standards:
BS7176-16

Colour

Black Smooth (Standard)
Invacare® | 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.

**Ingress resistant cover as standard**
Black smooth, high quality, water repellent zipped cover as standard. The fabric allows water to ‘roll off’, protecting clients clothing and the foam core from soiling. A platon interliner is also available as an option.

**Available in a wide range of sizes**
To view the cushion size range, please visit www.invacare.co.uk.

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**Technical data**

<table>
<thead>
<tr>
<th>Feature</th>
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<tr>
<td>Colour</td>
<td>Black Smooth (Standard)</td>
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<td>Width range of sizes</td>
<td>Essential Visco Cushion</td>
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<tr>
<td>Height</td>
<td>3” / 76.2 mm</td>
</tr>
<tr>
<td>Max Client Weight</td>
<td>17 stone (108 kg)</td>
</tr>
<tr>
<td>Weight</td>
<td>1 kg</td>
</tr>
<tr>
<td>Cleaning</td>
<td>80°</td>
</tr>
<tr>
<td>Manufactured to European Standards:</td>
<td>BS7176-16</td>
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</table>

**Warranty**

2 Years
Invacare® Flo-tech Lite

Slimline contoured cushion offering comfort and improved posture

The Invacare Flo-tech Lite is a slimline contoured cushion that offers improved stability and postural support. This high quality, moulded foam cushion is designed to significantly improve client comfort whilst sitting.
**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 reduction and improves product longevity. Moulding allows the Flo-tech Lite cushion to provide a 3D form, which cannot be emulated in cut foam. The pommel at the front of the cushion separates the thighs, encouraging good posture and allowing air to circulate.

**Contoured seating surface**

Offers improved stability and postural support. In addition 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.

**Water resistant cover**

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

**Available in a wide range of sizes**

To view the cushion size range, please visit www.invacare.co.uk.

---

**Technical data**

Flo-tech Lite  
A range of 61 sizes  
Height: 78 mm / 3"  
Weight: 1.5 kg  
Max. User Weight: 127 kg (20 stone)  
Cleaning: 80°

Manufactured to European Standards:  
BS EN 597-1 Cig, BS EN597-2 Match, and BS 7176 (Crib 5)

**Colours**

- Light Green
- Black Smooth
- Black Wipedown
- Black Towelling
- Black Spacer Fabric

**Warranty 3 Years**
Invacare® Flo-tech Lite Visco

Low profile visco elastic (memory) foam cushion offering exceptional comfort

The Invacare Flo-tech Lite Visco cushion is constructed from high density, visco elastic (memory) foam which is temperature sensitive, allowing it to conform to body shape. This gives exceptional levels of comfort whilst reducing peak pressures.
Visco Elastic (memory) foam designed to maximise body contact area

The temperature-sensitive foam conforms to the body, maximising the contact area, delivering exceptional levels of comfort and optimising pressure reduction.

Contoured seating surface with pommel and side support

Offers increased lateral support and pelvic stability to enhance the client’s posture.

Waterproof resistant cover

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

Available in a wide range of sizes

To view the cushion size range, please visit www.invacare.co.uk.

Three foam densities available

Available in three densities to accommodate a range of client weights:
Soft 5 stone (up to 32 kg), Medium 8 stone (up to 51 kg) and Firm 16 stone (up to 100 kg).

Technical data

Flo-tech Lite Visco

A range of 61 sizes

Height: 78 mm / 3"

Weight: 1.26 kg

Max. User Weight: 100 kg (16 stone)

Cleaning: 80°

Water Resistant

Vapour Permeable

Manufactured to European Standards:
Interior Foam: BS EN 597-1, BS EN 597-2, BS 5852: 1982 Crib 5
Cover: BS 7177: Crib 5

Colours

Black Smooth

Black Wipedown

Black Towelling

Black Spacer Fabric

Light Green

Warranty 3 Years
Design for comfort and improved posture

The surface of the Invacare Flo-tech Contour cushion is contoured into sections. This unique design improves posture and increases the support surface area, effectively dispersing weight away from specific pressure points. The combination of improved posture and increased support surface area will contribute significantly to pressure ulcer prevention. This deep cushion is suitable for heavier clients (up to 30 stone), and those considered ‘At Risk’* of developing pressure ulcers.
Moulded foam cushion
Moulding allows Flo-tech cushions to provide a 3D form, which cannot be emulated in cut foam. Moulded foam is highly durable, increasing the product’s longevity. The pommel at the front of the cushion separates the thighs, encouraging good posture and allows air to circulate.

Contoured seating surface
Offers improved stability and postural support. The castellations of the cushion allow slight movement which in turn reduces pressure. The contoured surface helps to prevent the client sliding forward, therefore reducing the potential for shear and friction forces.

Water Resistant Cover
Cover is multi stretch, water-resistant and vapour-permeable. Cover features an anti-slip base.

Available in a wide range of sizes
To view the cushion size range, please visit www.invacare.co.uk.

Features and Options

Technical data

Manufactured to European Standards:
BS EN 597-1 Cig, BS EN 597-2 Match, and BS 7176 (Crib 5)

Warranty 3 Years

Colours

Black Smooth
Black Wipedown
Black Towelling
Black Spacer Fabric
Kingfisher Green

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
**Invacare® Flo-tech Contour Visco**

**3 Year warranty**

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**Conforms to the shape of the body**

The *Invacare Flo-tech Contour Visco* cushion is moulded from visco-elastic (memory) foam, which is temperature-sensitive to the body. As the foam warms, the contoured surface area conforms to body shape, improving posture, increasing comfort and maximising the surface area in contact with the client, thereby optimising pressure reduction. The *Flo-tech Contour Visco* is suitable for those considered at ‘High Risk’* of developing pressure ulcers.

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*Yes, you can.*
**Deep moulded visco elastic (memory) foam cushion**

The temperature-sensitive foam conforms to the client’s body, maximising the contact area, delivering exceptional levels of comfort and optimising pressure reduction. The deep foam makes this cushion particularly suitable for heavier and taller clients.

**Contoured seating surface with pommel and side support**

Offers increased lateral support and pelvic stability to enhance posture.

---

**Water Resistant Cover**

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

**Available in a wide range of sizes**

To view the cushion size range, please visit [www.invacare.co.uk](http://www.invacare.co.uk).

**Four foam densities available**

Available in four densities to accommodate a range of client weights - Soft: 8 stone (up to 51 kg), Medium: 12 stone (up to 76 kg), Firm: 16 stone (up to 102 kg) and Very Firm: 20 stone (up to 125 kg).

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**Technical data**

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<th>Height: 103 mm / 4&quot;</th>
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<th>Max. User Weight: 125 kg (20 stone)</th>
<th>Cleaning: 80°</th>
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</tr>
</tbody>
</table>

**Colours**

- Black Smooth
- Black Wipedown
- Black Towelling
- Black Spacer Fabric
- Kingfisher Green

**Warranty 3 Years**

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* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.*
Optimised surface support

The Invacare Flo-tech Contour Lo-back cushion has been specifically designed to have a lower rear edge allowing the client to sit slightly reclined. This gives postural support whilst reducing sacral area interface pressures and without additional and unwanted forces pushing forwards. This cushion is suitable for those ‘At Risk’* of developing pressure ulcers.
**Enhanced postural position**

The **Lo-back cushion** reduces the need for a wedged cushion, lumbar roll or reclined backrest and minimises the tendency to slide forward. This reduces shear and friction forces and promotes an enhanced postural position.

The cushion is most effective when used in conjunction with an angle-adjustable back support and can also be used with a reclining back or tilt in space frame for those with extra postural needs.

**Ingress Resistant Cover**

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

Range of cushions covers available – Black Smooth, Towelling and PU covers.

High quality resilient foam offering high levels of pressure reduction and product longevity.

**Technological data**

- **Flo-tech Contour Lo-Back Cushion**
  - A range of 83 sizes
  - Height: 103 mm
  - Weight: 1.38 kg
  - Max. User Weight: 152 kg (24 stone)
  - Cleaning: 80°C

Water Resistant
Vapour
Permeable

Manufactured to European Standards:
BS EN 597-1 Cig, BS EN 597-2 Match, and BS 7176 (Crib 5)

**Colours**

- Black spacer (Option)
- Black Smooth (Optional)
- Black Wipedown (Option)

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Deep contoured cushion with gel sac

The *Invacare Flo-tech Plus* cushion incorporates a gel sac which is located towards the rear of the cushion. The positioning of the gel sac accommodates the Ischial Tuberosities, helping to significantly reduce pressure in this vulnerable area. This delivers superior levels of protection for those considered to be at ‘High Risk’* of developing pressure ulcers.
Deep contoured foam base with gel sac at rear of the cushion

The positioning of the gel sac provides increased immersion and protection to the Ischial Tuberosities which may provide protection for clients who are considered to be at ‘High Risk’ of developing pressure ulcers.

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. The deeper moulded foam offers greater protection to those who are considered clinically obese, or clients who would benefit from a higher sitting position.

Water Resistant Cover

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

Available in a wide range of sizes

To view the cushion size range, please visit www.invacare.co.uk.

Technical data

<table>
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<th>Flo-tech Plus</th>
<th>A range of 80 sizes</th>
<th>Height: 103 mm / 4”</th>
<th>Weight: 2.5 kg</th>
<th>Max. User Weight: 191 kg (30 stone)</th>
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Manufactured to European Standards: BS EN 597-1 Cig, BS EN 597-2 Match, and BS 7176 (Crib 5)

Warranty 3 Years

Colours

- Fuchsia
- Black Smooth
- Black Wipedown
- Black Towelling
- Black Spacer Fabric

* Essential nursing care is pivotal in pressure ulcer prevention. This mattress will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
The Invacare Flo-tech Image cushion uses a combination of a slim, contoured foam with a large gel sac covering the sacral area. This increases even weight distribution and immersion of the Ischial Tuberosities. The design delivers a high degree of protection to clients who are considered to be at ‘High Risk’* of developing pressure ulcers.
Technical data

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

**Contoured seating surface with gel sac**
Offers improved stability and postural support. The moulded foam castellations and gel combine effectively to reduce shear and friction forces on tissue, and help to prevent the client sliding forward in the seat.

**Features and Options**

**Water Resistant Cover**
Cover is multi stretch, water-resistant and vapour-permeable. Cover features an anti-slip base and carry handle.

**Available in a wide range of sizes**
To view the cushion size range, please visit www.invacare.co.uk.

**Technical data**

<table>
<thead>
<tr>
<th>Flo-tech Image</th>
<th>A range of 50 sizes</th>
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</thead>
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</table>

- Water Resistant
- Vapour
- Permeable

**Manufactured to European Standards:**
- BS EN 597-1 Cig
- BS EN 597-2 Match
- BS 7176 (Crib 5)

**Colours**

- Black Smooth
- Black Wipedown
- Black Towelling
- Black Spacer Fabric
- Mulberry

**Warranty 3 Years**

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Superior protection for ‘Very High Risk’ clients

The Invacare Flo-tech Solution cushion uses a combination of a slim, contoured foam base with a dual layer of gel sacs over the entire cushion surface. The dual gel sacs and the unique moulded foam shape of the Flo-tech Solution significantly increases the support surface area. This delivers a superior level of protection for those considered to be at ‘Very High Risk’ of developing pressure ulcers.
Delivers superior protection from pressure ulcers

The Invacare Flo-tech Solution’s design increases the contact area between the client and the foam cushion. The gel re-distributes pressure away from bony prominences, offering increased protection. The additional layer of gel is incorporated under the ischial and sacral area to further enhance the pressure reducing qualities of this cushion, making this cushion suitable for ‘Very High Risk’ clients.

Slimline contoured cushion

Some clients prefer a slimline cushion, finding it more compatible with their daily living activities. The low profile is particularly beneficial for the facilitation of side transfers. This may make this cushion more suitable for use with existing equipment.

Water Resistant Cover

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

Available in a wide range of sizes

To view the cushion size range, please visit www.invacare.co.uk.

Invacare Flo-tech Deep Solution (Option)

Option of a 4” (102mm) “Deep” foam base is also available in a range of sizes.

Technical data

A range of 44 sizes

Height: 78 mm and 102 mm (3” Standard, 4” Option)

Weight: 3.08 kg

Max. User Weight: 140 kg (22 stone)

Cleaning: 80°

Manufactured to European Standards:

BS EN 597-1 Cig, BS EN 597-2 Match, and BS 7176 (Crib 5)

Colours

Black Smooth

Black Wipedown

Black Towelling

Black Spacer Fabric

Terracotta Swatch

Teal blue PU

(Only available for welded wipe down covers)

Warranty 3 Years

3 Years

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Excellent postural management with high pressure re-distribution properties

The Invacare Flo-tech Solution Xtra cushion and modular system has been developed alongside clinicians to address the individual postural requirements of wheelchair seating. The excellent pressure re-distribution properties deliver a superior level of protection for those considered to be at “Very High Risk”* of developing pressure ulcers. A range of interchangeable positioning accessories provide several variations of the cushion to promote active correction and management of posture where needed.
**Superior Protection**

The *Flo-tech Solution Xtra*’s design increases the contact area between the client and the foam cushion. The gel re-distributes pressure away from bony prominences offering increased protection. The additional layer of gel is incorporated under the ischial and sacral area to further enhance the pressure reducing qualities of this cushion, making it suitable for ‘Very High Risk’ clients.

**Modular System**

Velcro components have been added to both the top (the Ischial Well, Femoral Shelf and Pommel regions) and also the bottom of the cushion base to incorporate the modular system. All the affixing component parts are manufactured from high density CMHR foam and are fitted with Velcro to ensure that the wedges remain in the prescribed position within the cushion, even during repeated use.

**Ingress resistant as standard**

Black smooth multi stretch, ingress resistant and vapour permeable cover with an antislip base.

**Innovative Cover Design**

The cover allows for expansion to increase immersion into the cushion once the components have been added.

**Available in a wide range of sizes**

To view the cushion size range, please visit www.invacare.co.uk.

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**Technical data**

<table>
<thead>
<tr>
<th>Flo-tech Solution Xtra</th>
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<td>Height</td>
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<td>Weight</td>
<td>1.5 kg</td>
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<tr>
<td>Max. User Weight</td>
<td>140 kg (22 stone)</td>
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<td>80°</td>
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</table>

Manufactured to European Standards:
BS EN 597-1 Cig, BS EN 597-2 Match, and BS 7176 (Crib 5)

**Colours**

Black spacer (Option)
Black Smooth (Option)

**Warranty 3 Years**

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Pelvic Obliquity Pad

The Pelvic Obliquity Pad can be inserted into either side of the ischial well under the cushion’s gel sac.

- For correctable pelvic obliquity, place the pad under the lowest ischial tuberosity and support the trunk as required.
- For fixed pelvic obliquity, place under the highest side to accommodate the deformity and also support the trunk if required.
- The depth of the pad can be trimmed to suit and used independently or in conjunction with the fluid pack to achieve desired effect.

Product code: 1487164 - Single

Hip Aligner

The Hip Aligner can be placed on either side of the cushion, secured by velcro, and used either unilaterally or bilaterally.

- Encourages mid-lining through stabilising the pelvis and helps to guide the thighs towards a central position.

Product code: 1487161 - Single

Thigh Aligner

The Thigh Aligner can be placed on either side of the femoral shelf, secured by velcro and used either unilaterally or bilaterally.

- Reduces external rotation and abduction of the thighs through aligning the femurs and may also assist with wind-sweeping.

Product code: 1487160 - Single

Rigidiser

The Rigidiser is to be placed under the whole cushion (including wedges).

- Maintains a firm base on slung canvases found on folding wheelchairs. The Rigidiser enables the effect of Solution Xtra Component parts to be maximised. Please note, the rigidiser can be used on any wheelchair for any cushion.

Size (inches) 14 x 16 16 x 16 16 x 18 16 x 20 18 x 16 18 x 18 18 x 20 20 x 16 20 x 18 20 x 20 22 x 18 22 x 20
Product Code 1494494 1487165 1494495 1494496 1494497 1494498 1494499 1494500 1494501 1494502 1494503 1494504

Pommel - Standard or Deep

The Pommel can be placed on the front of the cushion to increase the existing pommel height.

- Femoral alignment for those with internal thigh rotation and hip adduction.
- Maintains hip joints in an abducted position to facilitate normal development.
- May assist with spasticity (Hyper tonicity) management.
- Available in two heights (Std: 15mm / Deep: 40mm).


Measuring for the Cushion

It is imperative to measure the client correctly to gain maximum postural benefit.

Please refer to the diagrams for correct measuring techniques.
**Flavor Pack**

A Fluid Pack can be inserted into the ischial well where required, and can be doubled for specific placing.
- Front placement – prevents forward sliding.
- Rear placement – assists with sacral pressure.
- Side placement – for mild pelvic obliquity.

**Side Wedges**

Side Wedges can be placed on any corner of the cushion base. There are 2 different wedges to accommodate all 4 corners.
- Assists with lateral hip rotation and thigh alignment.
- For milder postural positioning.
- Can be used under one thigh for mild hip flexion discrepancies.

**Lateral Wedges**

Lateral Wedges can be placed underneath the base of the cushion and must be trimmed to the size of the cushion.
- Facilitates lateral pelvic and hip stability.
- Encourages internal rotation of the hip.
- Can be used unilaterally or bilaterally for bespoke contouring.

**Front Wedge**

Front Wedge is designed to be placed on the underneath of the cushion base and will need to be trimmed to size.
- Assists with pelvic stability.
- Reduces anterior tilt.
- Helps to maintain pelvic positioning for individuals who tend to slide forwards in the seat or move into a posteriorly tilted position.
- Consider using anterior supports to facilitate pelvic stability – e.g. pelvic belts.

**Modular Accessory Box**

Modular system to allow bespoke contouring.
- Enables the components to be cut to meet the needs of individual clients.
- Enables postural management and correction of the client, giving a more individualised seating position. (Does not include cushion)
- Ideal for assessment purposes

**Platilon Liner**

The Flo-tech Solution Xtra has a water resistant and vapour permeable platilon liner as standard, providing added protection to the foam cushion from soiling and associated infection control issues.

**Cover Design**

An innovative design has been incorporated into the cover to allow for its expansion, enabling the client to have increased immersion into the cushion once components have been added. There are two zips in the cover with colour coded sliders:
- Blue fully opens the cover enabling the client to adjust the components as necessary.
- Green to expand the height of the cushion cover, allowing the components to be effectively accommodated.

To view our cushion size chart, please visit [www.invacare.co.uk](http://www.invacare.co.uk)
Designed for comfort, support and pressure reduction

The Invacare Propad Original cushion has been designed to give comfort and pressure reduction. The Propad Original cushion is suitable for those considered ‘At Risk’* of developing pressure ulcers.
Deep profiled foam cushion, designed to deliver pressure care

The Invacare Propad Original Cushion is made from a layer of castellated foam. Each castellation moves independently to deliver enhanced support and pressure area care to the client, as well as good air circulation, reducing the potential for sweating and associated skin maceration.

Cover helps prevent a build up of shear and friction forces against the client

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

Contoured seating surface

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

Available in a wide range of sizes

To view the cushion size range, please visit www.invacare.co.uk.

Technical data

Manufactured to European Standards:
Interior Foam: BS EN 597-1 Cig, BS EN597-2 Match, BS 5852 (Crib 5)
Cover: BS 7175 (Crib 5)

Warranty 1 Year

Warranty 1 Year

Colours

Blue
Black Towelling

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Comfort and support in a low profile

The Invacare Propad Low Profile cushion provides clients who require a lower seating position the option of having a lower height cushion. This cushion is suitable for those who find a low profile cushion more compatible with their daily living activities.
Castellated Foam Cushion
The Invacare Propad Low Profile cushion is made from a layer of castellated foam, each castellation moves independently to deliver support and pressure area care to the client, as well as good air circulation, reducing the potential for sweating and associated skin maceration. This cushion is suitable for ‘Low Risk’ clients who require cushioning for comfort.

Cover helps to prevent a build up of shear and friction forces
Cover is multi stretch, water-resistant and vapour permeable. Cover features an anti-slip base.

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

Available in a wide range of sizes
To view the cushion size range, please visit www.invacare.co.uk.

Technical data

- A range of 102 sizes
- Height: 65 mm / 2"
- Weight: 0.8 kg
- Max User Weight: 76 kg (12 stone)
- Cleaning: 80°C

Manufactured to European Standards: BS5852: Crib 5
BS7175: Crib 5

Colours
- Blue PU
- Black Towelling

Warranty 1 Year
Invacare® Propad® Premier Cushion

Designed for comfort, support and pressure reduction

The Invacare Propad Premier Cushion has been designed to give comfort and pressure reduction. The cushion has a dual layer construction to ensure improved support as well as prolonged longevity. The Propad Premier Cushion is suitable for those considered ‘At Risk’* of developing pressure ulcers.
Dual-layer profiled foam cushion, designed to deliver enhanced pressure care

The lower layer of the Invacare Propad Premier Cushion is constructed from a resilient high density foam and is shaped to deliver increased stability and support for the client. The upper section of the cushion features a layer of castellated foam. Each castellation moves independently to deliver enhanced support and pressure area care to the client, as well as ensuring good air circulation, reducing the potential for sweating and associated skin maceration.

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

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

Available in a wide range of sizes

To view the cushion size range, please visit www.invacare.co.uk.

Technical data

Propad Premier Cushion

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1 kg</td>
</tr>
<tr>
<td>Height</td>
<td>102 mm / 4”</td>
</tr>
<tr>
<td>Maximum User Weight</td>
<td>108 kg (17 stone)</td>
</tr>
<tr>
<td>Cleaning</td>
<td>80°</td>
</tr>
</tbody>
</table>

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

Warranty 3 Years

Colours

- Blue PU
- Black Towelling
- Black Smooth

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
The Invacare Aero-tech Uno is a single valve air cushion which is specifically designed for those considered to be at 'Very High Risk'\textsuperscript{1} of developing pressure ulcers. Individual interconnected air cells allow free movement of air within the cushion, which allows the level of air to be individually adjusted to body shape thus maximising immersion. This air fluidised movement minimises changes in peak pressures, therefore providing excellent protection against pressure damage.

The natural rubber material and vulcanised bonded base, offers excellent product longevity and may be suitable for those who experience allergic reactions to latex\textsuperscript{2}.

2 YEAR WARRANTY
Clinical Advantage

The Invacare Aero-tech Uno addresses critical pressure points providing the client with a high level of skin protection. In addition the continual movement of air provides protection for the ischial tuberosities and coccyx area. This cushion provides an infinitely adjustable, low friction and low shear environment which can protect vulnerable clients against pressure damage.

Features and Benefits

Air Valve Adjustment
Incremental air valve adjustment allows the level of air to be adjusted to suit individuals’ needs for pressure reduction, stability and comfort.

Custom Sizes Available
A range of cushion sizes are available, ensuring a perfect fit for all makes and models of wheelchair. (For size guide, please refer to order form).

Bonded Base Layer
The vulcanized bonded base layer of the cushion ensures a robust seal, prolonging longevity.

Available in Two Heights
The Aero-tech Uno is available in 100 mm and 75 mm heights.

Rounded Cell Shape
The rounded shape of the base of the cells ensures good immersion for users.

Technical data

| Aero-tech Uno | Width: 340 - 480 mm | Depth: 340 - 530 mm | Height: 50 & 100 mm | Min. User Weight: 20 kg (3 stone) | Max. User Weight: 150 kg (24 stone) | Cleaning: 60° |

**Colours**

- Green rubber
- Black stretch fabric

1/ Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.

2/ The Aero-tech Uno is free of latex allergen (ref: BGFA Bochum). Risk assessment must be carried out prior to use.

3/ Risk Category - Moderate/High Risk
The Lighter Way to Pressure Care

The Invacare Aero-tech 4 is a four valve air cushion which is specifically designed for those considered to be at "Very High Risk" of developing pressure ulcers but require improved stability. Individual interconnected air cells allow free movement of air within the cushion, which allows the level of air to be individually adjusted to body shape thus maximising immersion. This air fluidised movement minimises changes in peak pressures, therefore providing excellent protection against pressure damage.

The natural rubber material and vulcanised bonded base, offers excellent product longevity and may be suitable for those who experience allergic reactions to latex.
Clinical Advantage

The Invacare Aero-tech 4 addresses critical pressure points providing the client with a high level of skin protection. In addition the continual movement of air provides protection for the ischial tuberosities and coccyx area. This cushion provides an infinitely adjustable, low friction and low shear environment which can protect vulnerable clients against pressure damage. The four separate air chambers improve stability, and can be individually adjusted to accommodate mild postural requirements.

Features and Benefits

Air Valve Adjustment
Incremental air valve adjustment allows the level of air to be adjusted to suit individuals’ needs for pressure reduction, stability and comfort.

Custom Sizes Available
A range of cushion sizes are available, ensuring a perfect fit for all makes and models of wheelchair. (For size guide, please refer to order form).

Optional Cover Plates
Rigid plastic cover plates are available in a range of sizes and can be used to suppress cells.

Bonded Base Layer
The vulcanized bonded base layer of the cushion ensures a robust seal, prolonging longevity.

Rounded Cell Shape
The rounded shape of the base of the cells ensures good immersion for users.

Technical data

<table>
<thead>
<tr>
<th>Aero-tech 4</th>
<th>Width: 380 - 470 mm</th>
<th>Depth: 330 - 530 mm</th>
<th>Height: 100 mm</th>
<th>Min. User Weight: 20 kg (3 stone)</th>
<th>Cleaning: 60°</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Max. User Weight: 150 kg (24 stone)</td>
<td></td>
</tr>
</tbody>
</table>

Colours

- Green rubber
- Black stretch fabric

1/ Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.

2/ The Aero-tech 4 is free of latex allergen (ref: BGFA Bochum). Risk assessment must be carried out prior to use.
Invacare® Flo-tech Lumbar Pad

Improving posture, comfort and support

The Invacare Flo-tech Lumbar Pad is designed for use on existing chairs or wheelchairs and can improve posture, comfort and support. The Lumbar Pad is simple and easy to use. It is fitted with adjustable straps and comes complete with a black fabric cover.
Visco Elastic (Memory) Foam

The **Lumbar Pad** is made up of two foams; Visco Elastic (Memory) foam on one side and resilient, high density foam on the other. This combination of foams provides the client with added support to the lower back. The resilient high density foam increases the support of the product whilst the Visco Elastic foam absorbs pressure from the client.

Adjustable Straps

Provides the client with improved comfort, adjustability and positioning.

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**Features and Options**

**Invacare**

**Flo-tech® Lumbar Pad**

**Technical data**

**Flo-tech Lumbar Pad**

Size: 420 x 200 x 50 mm

Cleaning: 80°

The Lumbar Pad is manufactured to European Standards:

BS5852: Crib 5

**Colour**

Black Fabric

**Warranty 1 Year**
A range of versatile support pads

*Invacare Flexipads* are highly versatile pads filled with silicone gel, and can be used to position and support limbs, joints, the torso or the head.
Implements positioning

Invacare Flexipads can be used to position limbs for treatment, whilst recovering from an injury, or to assist in maintaining a more comfortable position to alleviate pain.

Implements support

Easy to use and adjust to position, Softform Flexipads, can provide supplementary short-term support for patients experiencing difficulty in maintaining posture.

Single Flexipad

Fitted with a strap for fastening to chairs, the Invacare Flexipad increases the surface area under elbows, arm or back.

Double Flexipad

Two gel sacs with a foam core – highly versatile in a number of applications, including supporting large bony prominences.

Flexipad Ultra

A lighter, more flexible format, available with or without straps.

Features and Options

Technical data

Softform Flexipad

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Width</td>
<td>220 mm</td>
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<tr>
<td>Length</td>
<td>330 mm</td>
</tr>
<tr>
<td>Height</td>
<td>50 mm, 32 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.8 kg</td>
</tr>
<tr>
<td>Cleaning</td>
<td>80°</td>
</tr>
</tbody>
</table>

Manufactured to European Standards:
Cover: BS 7175: Crib 5

Colours

- Blue
- Black Smooth

Warranty 1 Year

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The Flo-tech Back Support Range

The Invacare Flo-tech Back Support range has been designed to provide added stability to a wheelchair or standard armchair and it can be used in conjunction with any Flo-tech cushion. The 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. The unique supportive design offers additional support and may provide protection from pressure ulcer formation and spinal deformities.
A highly protective back support
The Flo-tech Back Support provides a high degree of stability and provides improved posture resulting in enhanced protection from pressure ulcer development.

Added support of the lumbar region
The Flo-tech Back Support with Lumbar can be used for those who wish to have increased lateral and pelvic stability. The Visco Elastic (memory foam) Lumbar Support contours to the individual and can be easily adjusted and secured with velcro pads to accommodate a range of heights.

Standard cover is moisture resistant
The black towelling cover is multi-stretch, moisture-resistant and vapour-permeable, which helps to prevent a build up of shear and friction forces.

Extendable straps
Offers the client a securely fixed Back Support on a standard armchair or wheelchair. The straps are easy to adjust and can be fixed to a position that provides the client with the maximum comfort and support.

Complete Care - The Flo-tech Lumbar Pad
Designed for lumbar support, this pad provides increased lateral and pelvic stability, as well as helping to restore the natural lumbar curve.

Technical data
Flo-tech Back Support
Max User Weight: 165 kg / 26 stone
Cleaning: 80°

Back Support is manufactured to European Standards: BS 5852: Crib 5
Back Support Lumbar is manufactured to European Standards: BS 5852: Crib 5

Colours
Black Smooth
Black Towelling

Warranty 3 Years
The Invacare Flo-tech wheelchair cushions can now be fitted with an Ingress resistant cover* as standard. The cover material has been treated with a fluorocarbon-based fluid repellent finish, in order to prevent wetting of the cover and therefore, reduce soiling and the risk of contamination.

* With the exception of the Flo-tech® V-max, Propad® Low-profile, Propad® Original, Propad® Visco and Propad® Premier.
Reducing the risk of contamination

The Flo-tech ingress resistant cover has been specifically designed to prevent fluid ingress and aid pressure ulcer prevention. This in turn has a positive outcome on patient comfort due to the maintenance of a dry cushion surface. A reduction in surface fluids will also help prevent skin maceration, a major contributory factor in the development of pressure ulcers*.

Easy to identify

Ingress resistant covers can be easily identified by the two blue flashed on the Flo-tech label on the side of the cushion.

Fluorocarbon cover finish can be reactivated

Occasionally tumble dry on a low heat setting to ensure the finish remains effective.

Multi-stretch cover

Reduces potential shear and friction, ensuring good air circulation. All covers also have an anti slip base preventing slippage.

Technical data

Flame Retardancy: BS7175 sources 0, 1 & 5

* Essential nursing care is pivotal in pressure ulcer prevention. This product will positively contribute to the outcome of a pressure ulcer prevention care plan. Education, clinical judgement and action based planning based on vulnerability are fundamental factors in the prevention of pressure ulcers. A range of assessment scales can be used as a formal method of assessing risk from pressure ulcer development, and should be used in conjunction with an informal assessment (informed nursing judgement). Informal assessment is considered to be of greater importance and clinical value.
Invacare® | Flo-tech® wheelchair cushion cover options

All Flo-tech Cushions are available in the option of a:

- **Spacer cover**
  - Allows air to circulate
  - Reduces the risk of moisture/heat build up
  - Multi-stretch
  - May prevent maceration

- **Black smooth cover**
  - (also know as Ingress Resistant Cover)
  - A black fabric material, offering a range of benefits:
    - Ingress-resistant treated fabric
    - Multi-stretch
    - Vapour-permeable
    - Reduces potential for perspiration & irritation of the skin
    - Facilitates easy transfers

- **Black wipedown cover**
  - Offers a range of benefits:
    - A fabric outer surface
    - Multi-stretch
    - Water resistant, easy to maintain wipedown surface
    - Vapour-permeable
    - Facilitates easy transfer
    - Suitable for clients with continence issues

- **Black towelling cover**
  - Multi-stretch
  - Water resistant
  - Vapour-permeable
  - Reduces potential for perspiration
The Invacare Flo-tech cushion range comes with a multi-stretch, vapour permeable ingress resistant cover as standard. To ensure a range of preferences and lifestyles are met, there are a choice of covers available to choose from; colour coded PU water resistant wipedown, black smooth, black water resistant wipedown and toweling. The covers are particularly suitable for Acute and Community environments.

Platilon Liner

Platilon liners are fitted as standard on cushions that contain gel. The option to upgrade to a platilon liner on all Invacare cushions is available.

*welded cushions seams are available on request

Note: PU is an abbreviation for Polyurethane, a multi-stretch, vapour permeable fabric that is water resistant.
Flo-tech® Cushion Segmentation Chart

**Supported Users**
- Individuals who require help with transfers and other activities. This group may be powered wheelchair users.
- Low Risk
  - Flo-tech Lite
  - Flo-tech Contour
  - Flo-tech Lo-Back Contour
  - Flo-tech Image
  - Flo-tech Plus
  - Flo-tech V-Max
- Moderate Risk
  - Flo-tech Contour
- High Risk
  - Flo-tech Image

**Elderly**
- Individuals who for reasons of age may be at increased risk of developing pressure ulcers.
- Low Risk
  - Flo-tech Lite
  - Flo-tech Contour
  - Flo-tech Lo-Back Contour
  - Flo-tech Image
  - Flo-tech Plus
  - Flo-tech V-Max
- Moderate Risk
  - Flo-tech Contour
- High Risk
  - Flo-tech Image

**Neurological**
- Individuals with a neurological condition such as MS, CVA, MND, CP, Spinal Cord injury etc.
- Low Risk
  - Flo-tech Lite
  - Flo-tech Contour
  - Flo-tech Lo-Back Contour
  - Flo-tech Image
  - Flo-tech Plus
  - Flo-tech V-Max
- Moderate Risk
  - Flo-tech Contour

**Palliative or Painful**
- Individuals whose condition makes them sensitive to the bumps and jolts using a wheelchair outdoors.
- Moderate Risk
  - Flo-tech Lite Visco
- High Risk
  - Flo-tech Contour Visco
  - Flo-tech V-Max
  - Flo-tech Image
  - Flo-tech Solution
- Very High Risk
  - Flo-tech Solution Xtra

Posture Options
### Technical Specification and Warranties

<table>
<thead>
<tr>
<th>Product</th>
<th>Warranty</th>
<th>Fire Testing</th>
<th>Grade Ref &amp; Colour</th>
<th>Nominal Density Range (Kg/m)</th>
<th>Nominal Hardness Range (N)</th>
<th>Fatigue Class</th>
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</thead>
<tbody>
<tr>
<td>Flo-tech® Cushions</td>
<td>3yrs Reducing Warranty</td>
<td>BS 7176: 1995</td>
<td>Gr: FG 70/180 Grey</td>
<td>65 - 75</td>
<td>170 - 190</td>
<td>Very Severe</td>
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<tr>
<td>Flo-tech® Visco Cushion: Soft</td>
<td>3yrs Reducing Warranty</td>
<td>BS 5852: 1990</td>
<td>Gr: LM 85/115 Blue</td>
<td>75 - 85</td>
<td>90 - 120</td>
<td>N/A</td>
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<tr>
<td>Flo-tech® Visco Cushion: Medium</td>
<td>3yrs Reducing Warranty</td>
<td>BS 5852: 1990</td>
<td>Gr: LM 85/150 Blue</td>
<td>75 - 85</td>
<td>120 - 150</td>
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<tr>
<td>Flo-tech® Visco Cushion: Very Firm</td>
<td>3yrs Reducing Warranty</td>
<td>BS 5852: 1990</td>
<td>Gr: LM 85/190 Blue</td>
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<td>155 - 195</td>
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<td>Propad Original/LP Cushion</td>
<td>1 yr</td>
<td>BS 5852: 1990</td>
<td>Gr: RX 36/125 Beige</td>
<td>35 - 37</td>
<td>110 - 140</td>
<td>Very Severe</td>
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<tr>
<td>Propad Premier Cushion</td>
<td>1 yr</td>
<td>BS 5852: 1990</td>
<td>Gr: RX 36/125 Beige</td>
<td>35 - 37</td>
<td>110 - 140</td>
<td>Very Severe</td>
</tr>
<tr>
<td>Propad Visco Cushion</td>
<td>1 yr</td>
<td>BS 5852: 1990</td>
<td>Gr: RX 39/200 Blue</td>
<td>38 - 40</td>
<td>175 - 215</td>
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<tr>
<td>Essential Basic Cushion</td>
<td>2yrs (1yr 2')</td>
<td>BS 7176-16:1997</td>
<td>Gr.RX39/200 Blue</td>
<td>38 - 40</td>
<td>180 - 200</td>
<td>Very Severe</td>
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<tr>
<td>Essential Visco Cushion</td>
<td>2yrs</td>
<td>BS 7176-16:1997</td>
<td>Gr.RX39/200 Blue</td>
<td>38 - 40</td>
<td>180 - 200</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Cleaning Instructions

#### General cleaning

To prevent delamination, use a solution of neutral detergent and hot water or alternatively, a 0.1% (1,000 ppm) hyperchloride solution. Apply with single use wipe. Following application, the cover should be rinsed with clean water (damp cloth) and thoroughly dried.

Removable contaminated covers should be laundered at 80°C with a dilute detergent solution. Please ensure covers are thoroughly rinsed and dried before placing back on the Invacare product. The covers can be hung on a line or bar in a clean dry environment or tumble dried on a low heat setting to dry.

It is necessary to re-activate the ingress resistant (fluorocarbon finish) cover after laundry to ensure that it remains effective. This is best achieved by laundering the cover at a temperature in excess of 80°C, then tumble drying on a low heat setting.

(Invacare recommends that nursing staff should always actively liaise with a qualified Infection Control Nurse regarding decontamination protocols)

**NB:** Always ensure you read the user instructions prior to use and inspect the interior and exterior of cushions on a regular basis.

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Invacare's training academy has been designed to provide a high quality comprehensive programme of product, clinical and technical based training. Tailored to the requirements of Clinicians, Healthcare Professionals and Retailers, Invacademy offers key skills and knowledge to those involved in managing and improving the care of elderly and disabled individuals. Presented by experienced Clinical and Product Specialists, each course offers a mix of practical, group discussion and active participation.

**Courses include:**
- Pressure and Posture in Wheelchair Seating
- Impetus
- Confident Posture for the Elderly Client

For more information, visit [www.invacare.co.uk](http://www.invacare.co.uk)