

2014/2015



Innovative  
Seating  
Solutions





# Trulife Overview



Trulife is an internationally based and managed group engaged in the creation, development, manufacture and marketing of niche healthcare products. In addition to wheelchair cushions the Group activities encompass Orthopaedics, Prosthetics, Breastcare and Pressurecare pads for Operating Tables. For further details on all our product ranges please visit our website: [www.trulife.com](http://www.trulife.com)



## The Relax Story

Trulife began making Breast Prostheses in 1987 to make life for women following breast cancer, a little easier. We enjoy a well deserved reputation as manufacturing the most natural products on the market today.

The success with this range encouraged the Trulife team to pursue other uses for silicone. In 1995 Trulife began manufacturing pressure relieving products for the operating theatre helping prevent patients from developing pressure sores during surgery. We are now market leaders in many countries around the world.

With the knowledge that silicone is one of the most well known materials, so compatible with skin, durable, and excellent at relieving pressure, we began making our Relax wheelchair cushion range.

Each cushion in the Relax range contains silicone, this range has been praised for its high quality and affordable price.

## Mission Statement

The core philosophy is a belief in serving customers' needs through excellence in product innovation, quality in everything we do, extensive education and training offerings, and development of patient care through committed and dedicated people.



# Contents



A note on pressure sore prevention	4
CoolCell	5
Gelcell	6
Gelcell G2	7
Duogel	8
Easy	9
Trio	10
Covers & Accessories	11
Product Care	13



## Prevention is Better than Cure



Pressure sores are areas of damaged skin and tissue that develop when prolonged periods of uninterrupted pressure cuts off the circulation to vulnerable parts of the body. Without adequate blood flow, the affected tissue dies.

People who are most vulnerable to the onset of pressure sores include those living with paralysis or using a wheelchair and any person with impaired mobility sensation.



1. **"Pressure sores can develop quickly, progress rapidly and are often difficult to heal. Yet health experts say many of these wounds don't have to occur. Key preventive measures can maintain the skin's integrity and encourage healing"**

Aside from causing serious discomfort to the sufferer and distress to the carer, the cost of treatment can be debilitating to the healthcare industry.



In the US <sup>2</sup> "the mean length of stay for hospitalizations specifically for pressure sores was 13 days, and the average charge was nearly \$37,800"

3. **"An estimated 2 million adult workdays are lost each year because of chronic ulcers. The cost to manage these ulcers is excessive. Although the direct cost to heal pressure ulcers is elusive, the national cost is estimated at between \$1.68 billion and \$6.8 billion annually." (in the US)**



The Relax range offers a wide variety of pressure relieving cushions for wheelchair users and people of restricted mobility who are at increased risk of developing pressure sores. The range has been designed to re-distribute weight and provide exceptional pressure relief and optimum comfort at an affordable cost, bringing a better quality of life to the user.

<sup>1</sup>. 1998-2006 Mayo Foundation for Medical Education and research (MFMER) "Pressuresores"

<sup>2</sup>. Agency of Healthcare Research and Quality "Hospitalizations related to Pressure Sores, 2003"

<sup>3</sup>. Yale School of Nursing "Incidence of Pressure Ulcers Reduced by up to 87 Percent Using Skin Care Prevention Systems According to Yale Clinical" Press Release, 3rd July 2007





# COOLCELL

NEW

HIGH RISK

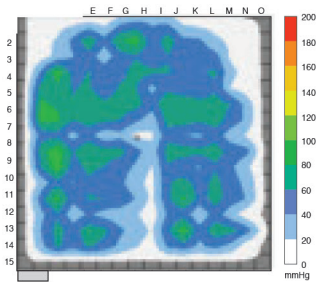
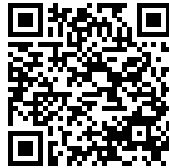


## Features & Benefits

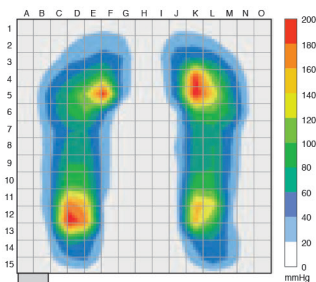
- Cooling additive inside Gel, helps draw heat away from the body
- Unique combination of **AIR** and **Cooling GEL** technology effectively provides pressure relief, comfort and cooling to the high risk user
- **34 interconnected air-filled cells** allow movement of air across surface of cushion, each covered with a layer of pressure relieving silicone-based Cooling Gel
- Air cushion enhances capillary function
- **Silicone-based TruGel**
  - enhances pressure re-distribution
  - minimizes the effects of shear forces
  - has a positive effect on skin temperature
- When pressure is applied, air circulates to each of the cells, distributing weight evenly, thus reducing high pressure concentrations around bony prominences
- The Coolcell is made up of **3 layers of polyurethane (pu)** film giving a total thickness of 1mm approx making it highly durable and difficult to puncture
- Clear protective pu film coating is easy to wipe clean and is suitable for incontinent users
- Lightweight and easy to transport
- Easy to inflate and adjust
- Included outer cover, first aid kit, and pump (see page 11 & 12)



TO SEE MORE SCAN HERE



Pressure diagram with RELAX CoolCell cushion



Pressure diagram without wheelchair cushion

### CoolCell with Breathable/Spacer Cover (not waterproof)

Product Code	Dimensions (Width x Length x Height)	Cushion Weight
RC002-1616	40cm x 40cm x 5cm/ 16" x 16" x 2"	1.5kg/3.3lb
RC002-1717	43cm x 43cm x 5cm/ 17" x 17" x 2"	1.6kg/3.5lb
RC002-1816	45cm x 40cm x 5cm/ 18" x 16" x 2"	1.6kg/3.5lb
RC002-1818	45cm x 45cm x 5cm/ 18" x 18" x 2"	1.7kg/3.7lb

### CoolCell with standard black waterproof cover

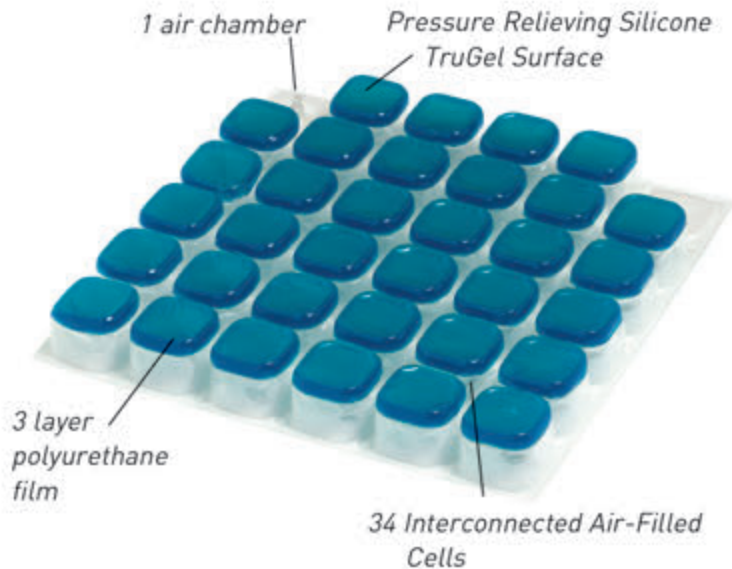
Product Code	Dimensions (Width x Length x Height)	Cushion Weight
RC004-1616	40cm x 40cm x 5cm/ 16" x 16" x 2"	1.5kg/3.3lb
RC004-1717	43cm x 43cm x 5cm/ 17" x 17" x 2"	1.6kg/3.5lb
RC004-1816	45cm x 40cm x 5cm/ 18" x 16" x 2"	1.6kg/3.5lb
RC004-1818	45cm x 45cm x 5cm/ 18" x 18" x 2"	1.7kg/3.7lb

The weight limit for the CoolCell cushion is 130kgs/287lbs



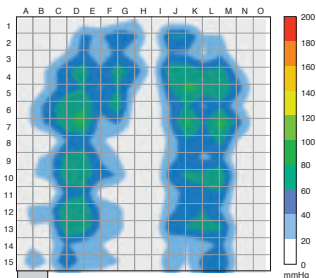
## HIGH RISK

## Features & Benefits

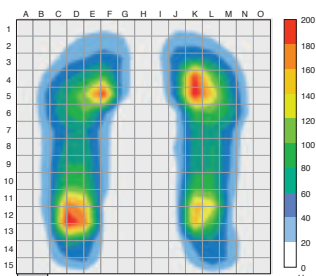


- Unique combination of **AIR** and **GEL** technology effectively provides pressure relief and comfort to the high risk user
- **34 interconnected air-filled cells** allow movement of air across surface of cushion, each covered with a layer of pressure relieving silicone-based TruGel
- Air cushion enhances capillary function
- **Silicone-based TruGel**
  - enhances pressure re-distribution
  - minimizes the effects of shear forces
  - has a positive effect on skin temperature
- When pressure is applied, air circulates to each of the cells, distributing weight evenly, thus reducing high pressure concentrations around bony prominences
- The Gelcell is made up of **3 layers of polyurethane** (pu) film giving a total thickness of 1mm approx making it highly durable and difficult to puncture
- Clear protective pu film coating is easy to wipe clean and is suitable for incontinent users
- Lightweight and easy to transport
- Easy to inflate and adjust
- Includes outer cover, First Aid Kit and Pump (see page 11&12)

TO SEE MORE SCAN HERE



Pressure diagram with RELAX Gelcell cushion



Pressure diagram without wheelchair cushion

### Relax Gelcell with standard black waterproof cover

Product Code	Dimensions (Width x Length x Height)	Cushion Weight
RG004-1514	38cm x 36cm x 5cm / 15" x 14" x 2"	1.4kg/3.1lb
RG004-1616	40cm x 40cm x 5cm / 16" x 16" x 2"	1.5kg/3.3lb
RG004-1717	43cm x 43cm x 5cm / 17" x 17" x 2"	1.6kg/3.5lb
RG004-1816	45cm x 40cm x 5cm / 18" x 16" x 2"	1.6kg/3.5lb
RG004-1818	45cm x 45cm x 5cm / 18" x 18" x 2"	1.7kg/3.7lb
RG004-2018	50cm x 45cm x 5cm / 20" x 18" x 2"	1.9kg/4.2lb

### Relax Gelcell with breathable/spacer cover (not waterproof)

Product Code	Dimensions (Width x Length x Height)	Cushion Weight
RG002-1514	38cm x 36cm x 5cm / 15" x 14" x 2"	1.4kg/3.1lb
RG002-1616	40cm x 40cm x 5cm / 16" x 16" x 2"	1.5kg/3.3lb
RG002-1717	43cm x 43cm x 5cm / 17" x 17" x 2"	1.6kg/3.5lb
RG002-1816	45cm x 40cm x 5cm / 18" x 16" x 2"	1.6kg/3.5lb
RG002-1818	45cm x 45cm x 5cm / 18" x 18" x 2"	1.7kg/3.7lb
RG002-2018	50cm x 45cm x 5cm / 20" x 18" x 2"	1.9kg/4.2lb

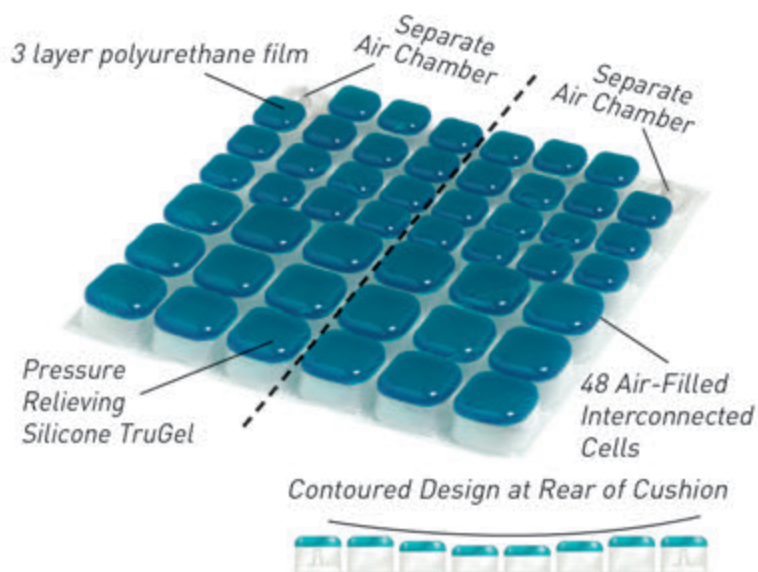
The weight limit for the Gelcell cushion is 130kgs/287lbs



# Gelcell G2



## HIGH RISK

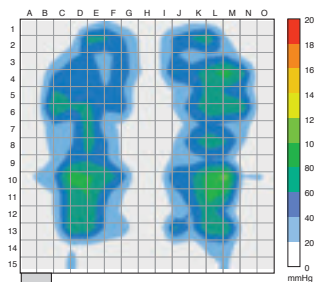


## HIGH RISK

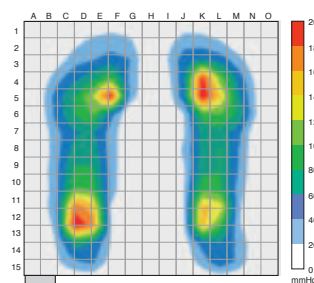
### Features & Benefits

- Two separate **air chambers** provide greater stability and pressure redistribution for buttocks and Ischial Tuberosities
- Air cushion enhances capillary function
- **Silicone-based TruGel**
  - enhances pressure re-distribution
  - minimizes the effects of shear forces
  - has a positive effect on skin temperature
- The cells are **contoured** towards the rear making the G2 the perfect all round pressure relieving and positioning cushion
- When pressure is applied, air circulates to each cell in both chambers distributing weight evenly. This process reduces high pressure concentrations around bony prominences, preventing skin breakdown
- The Gelcell G2 is made up of **3 layers of polyurethane (pu)** film giving a total thickness of 1mm approx making it highly durable and difficult to puncture
- Clear protective pu film coating is easy to wipe clean and is suitable for incontinent users
- Lightweight and easy to transport
- Easy to inflate and adjust
- Includes outer cover, First Aid Kit and Pump (see page 11&12)

TO SEE MORE SCAN HERE



Pressure diagram with RELAX Gelcell G2 cushion



Pressure diagram without wheelchair cushion

Product Code	Dimensions (Width x Length x Height)	Cushion Weight
RG005-1414	36cm x 36cm x 4cm / 14" x 14" x 1.5"	1.3kg/2.9lb
RG005-1515	38cm x 38cm x 4cm / 15" x 15" x 1.5"	1.3kg/2.9lb
RG005-1616	40cm x 40cm x 4cm / 16" x 16" x 1.5"	1.5kg/3.3lb
RG005-1618	40cm x 45cm x 4cm / 16" x 18" x 1.5"	1.6kg/3.5lb
RG005-1717	43cm x 43cm x 4cm / 17" x 17" x 1.5"	1.6kg/3.5lb
RG005-1816	45cm x 40cm x 4cm / 18" x 16" x 1.5"	1.6kg/3.5lb
RG005-1818	45cm x 45cm x 4cm / 18" x 18" x 1.5"	1.6kg/3.5lb

The weight limit for the Gelcell G2 cushion is 130kgs/287lbs





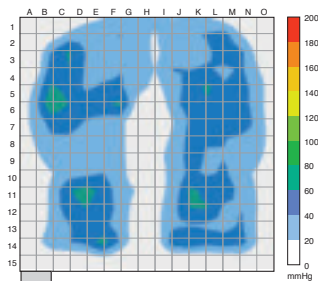
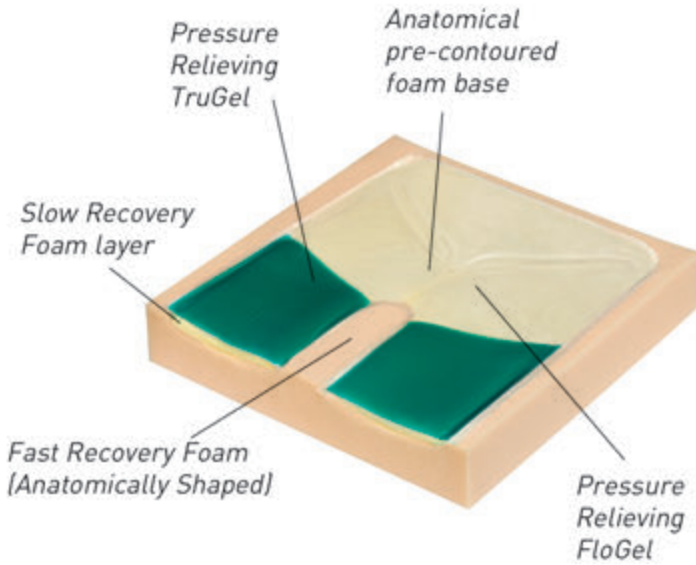
# Duogel



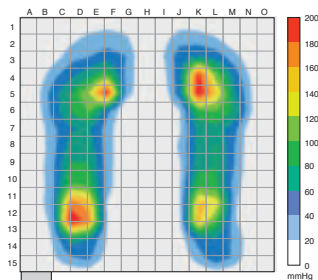
## HIGH RISK

### Features & Benefits

- **TruGel** and **FloGel** work together effectively to provide excellent pressure relief and weight distribution
- **Gel** and **Foam** combination allows for greater circulation and weight distribution
- Anatomical pre-contoured foam base provides for medial and lateral thigh positioning as well as support for the greater trochanter of the thigh bone
- The thigh troughs are lined with **TruGel** and the Ischial area is lined with **FloGel** which is set on a viscoelastic foam giving greater comfort and seating stability
- Clear protective polyurethane film coating is easy to wipe clean and is suitable for incontinent users (not illustrated)
- Lightweight and easy to transport
- Highly durable
- Includes outer cover (see page 11)



Pressure diagram with RELAX Duogel cushion



Pressure diagram without wheelchair cushion

Product Code	Dimensions* (Width x Length x Height)	Cushion Weight
RD003-1514	38cm x 36cm x 8cm/ 15" x 14" x 3"	1.3kg/2.9lb
RD003-1616	40cm x 40cm x 8cm/ 16" x 16" x 3"	1.8kg/4.0lb
RD003-1618	40cm x 45cm x 8cm/ 16" x 18" x 3"	1.9kg/4.2lb
RD003-1717	43cm x 43cm x 8cm/ 17" x 17" x 3"	1.9kg/4.2lb
RD003-1816	45cm x 40cm x 8cm/ 18" x 16" x 3"	1.9kg/4.2lb
RD003-1818	45cm x 45cm x 8cm/ 18" x 18" x 3"	2.0kg/4.4lb
RD003-1820	45cm x 50cm x 8cm/ 18" x 20" x 3"	2.1kg/4.6lb
RD003-2018	50cm x 45 cm x 8cm/ 20" x 18" x 3"	2.1kg/4.6lb
RD003-2020	50cm x 50cm x 8cm/ 20" x 20" x 3"	2.5kg/5.5lb
RD003-2218	55cm x 45cm x 8cm/ 22" x 18" x 3"	2.8kg/6.2lb
RD003-2418	60cm x 45cm x 8cm/ 24" x 18" x 3"	3kg/6.6lb

The weight limit for the Duogel cushion is 130kgs/287lbs

\*A tolerance of +/- 5mm is applied to dimensions

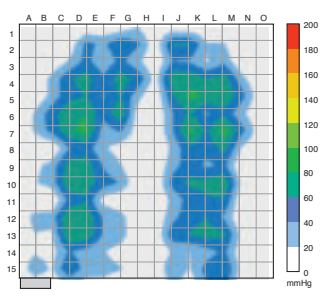
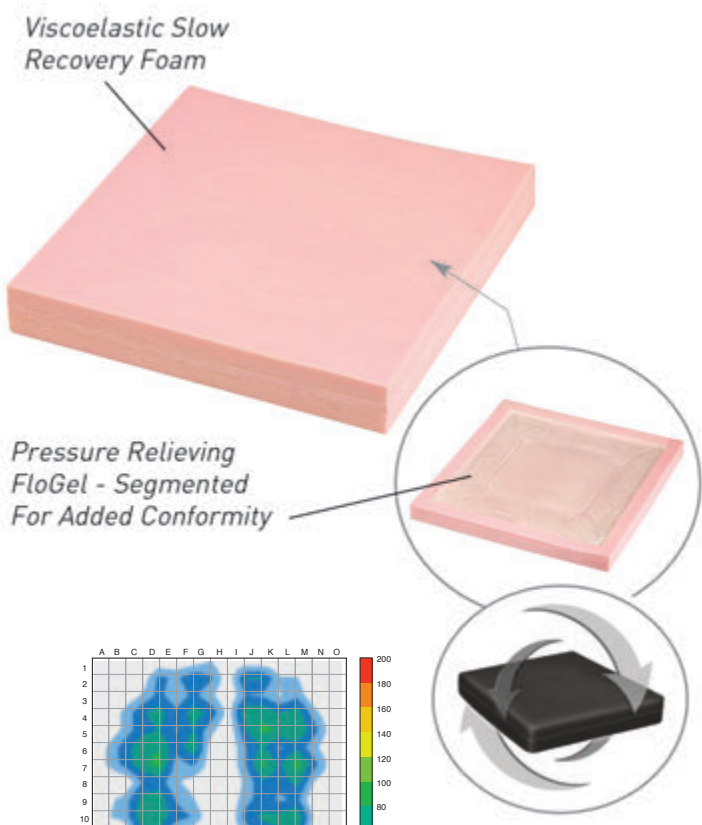




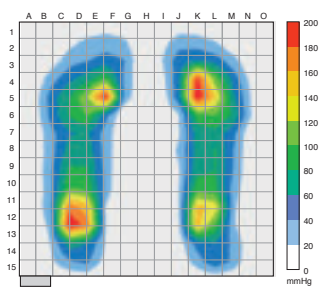
MEDIUM TO HIGH RISK

## Features & Benefits

- Fully Rotational - No top, bottom, front or back
- Ideal pressure relieving cushion for use in the nursing home environment.
- The Easy cushion has a layer of FloGel sandwiched between an upper and lower layer of viscoelastic foam
- The combination of pressure relieving FloGel and viscoelastic foam facilitates effective pressure re-distribution while allowing the patient to immerse themselves comfortably into the cushion
- Conforms to the shape of the user, increasing surface area and relieving pressure
- Clear protective polyurethane film coating is easy to wipe clean and is suitable for incontinent users (on every foam cushion, not in illustration)
- Lightweight and easy to transport
- Includes outer cover (see page 11)



Pressure diagram with RELAX Gelcell cushion



Pressure diagram without wheelchair cushion

Product Code	Dimensions* (Width x Length x Height)	Cushion Weight
RE005-1416	36cm x 40cm x 5cm / 14" x 16" x 2"	1.7kg/3.8lb
RE005-1616	40cm x 40cm x 5cm / 16" x 16" x 2"	1.8kg/4.0lb
RE005-1717	43cm x 43cm x 5cm / 17" x 17" x 2"	1.9kg/4.2lb
RE005-1816	45cm x 40cm x 5cm / 18" x 16" x 2"	1.9kg/4.2lb
RE005-1818	45cm x 45cm x 5cm / 18" x 18" x 2"	2.0kg/4.4lb
RE005-1820	45cm x 50cm x 5cm / 18" x 20" x 2"	2.1kg/4.6lb
RE005-2020	50cm x 50cm x 5cm / 20" x 20" x 2"	2.2kg/4.8lb
RE005-2218	55cm x 45cm x 5cm / 22" x 18" x 2"	2.3kg/5.0lb

The weight limit for the Easy cushion is 130kgs/287lbs

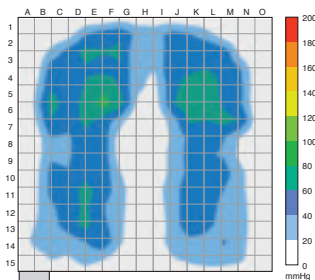
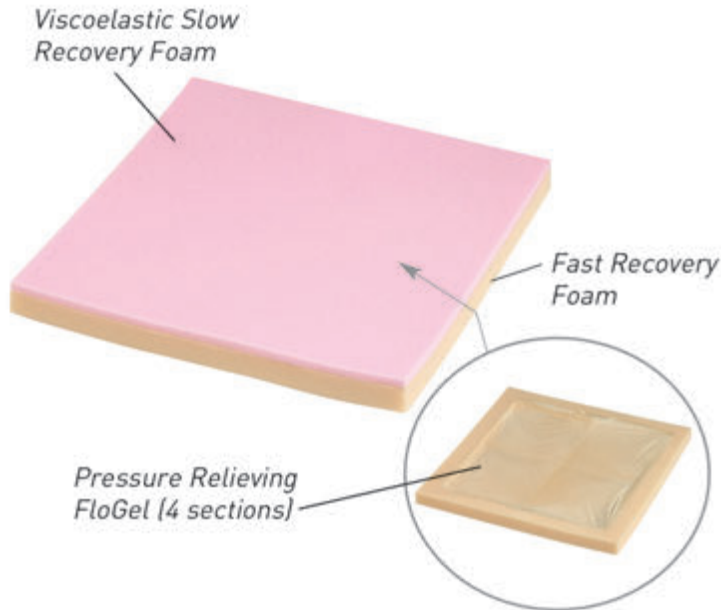
\*A tolerance of +/- 5mm is applied to dimensions



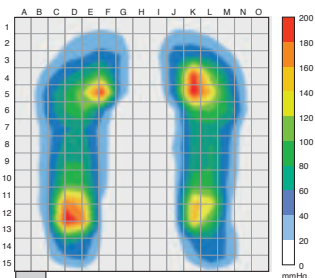
## MEDIUM RISK

### Features & Benefits

- An ultra light cushion that benefits from four sections of FloGel.
- Cushion consists of a FloGel centre with a **Fast Recovery Foam** base and a **Viscoelastic Slow Recovery Foam** upper layer
- Specially designed to conform to the shape of the user, increasing surface area and relieving pressure
- Cushion can be rotated / No front or back
- For the person with low to moderate risk of skin breakdown
- Clear protective pu film coating is easy to wipe clean and is suitable for incontinent users (on every foam cushion, not in illustration)
- Lightweight and easy to transport
- Highly durable
- Includes outer cover (see page 11)



Pressure diagram with RELAX Trio cushion



Pressure diagram without wheelchair cushion

Product Code	Dimensions* (Width x Length x Height)	Cushion Weight
RT001-1416	36cm x 40cm x 4cm / 14" x 16" x 1.5"	1.2kg/2.7lb
RT001-1616	40cm x 40cm x 4cm/ 16" x 16" x 1.5"	1.3kg/2.9lb
RT001-1717	43cm x 43cm x 4cm/ 17" x 17" x 1.5"	1.4kg/3.1lb
RT001-1816	45cm x 40cm x 4cm/ 18" x 16" x 1.5"	1.5kg/3.3lb
RT001-1818	45cmx 45cmx 4cm/ 18" x 18" x 1.5"	1.6kg/3.5lb

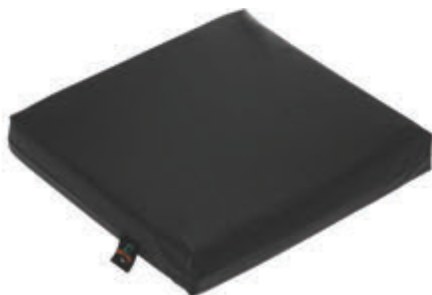
The weight limit for the Trio cushion is 80kgs/176lbs

\*A tolerance of +/- 5mm is applied to dimensions



# Covers & Accessories

Our Relax range of wheelchair cushion covers are all designed to offer protection to the user and the product. The covers are designed to be breathable or fluid repellent, vapour permeable, stretchable and hand-washable and have both anti-bacterial and anti-fungal properties.



**Wipeable Black Outer Cover**

Available with:  
[Easy](#) (Also available for [Duogel](#) on request)

Materials:  
 Topside and Underside: Polyurethane transfer coating on a weft knitted polyester fabric, coating protects against fungi and bacteria.

Features:  
 Fully waterproof wipe down cover  
 High Grip /Anti-slip surface  
 Easy to clean & maintain

Codes & Sizes:	
<a href="#">Duogel Wipedown</a>	<a href="#">Easy Wipedown</a>
DWC003-1514	EC004-1416
DWC003-1616	EC004-1616
DWC003-1618	EC004-1717
DWC003-1717	EC004-1816
DWC003-1816	EC004-1818
DWC003-1818	EC004-1820
DWC003-1820	EC004-2020
DWC003-2018	EC004-2218
DWC003-2020	
DWC003-2218	
DWC003-2418	



**Standard Black Outer Cover**

Available with:  
[Duogel](#), [Gelcell](#), [Gelcell G2](#), [CoolCell](#), [Trio](#)  
 (Also available for [Easy](#) on request)

Materials:  
 Topside: Weft knitted polyester fabric with a polyurethane transfer coating on inner side, coating protects against fungi and bacteria  
 Underside: Weft knitted nylon coated with flame retardant PU, which has been treated with a biocide. Coating protects against fungi and bacteria

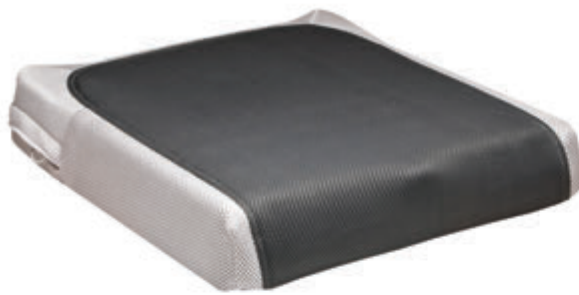
Features:  
 Waterproof and easy to wash  
 High Grip /Anti-slip surface

Codes & Sizes:		
<a href="#">Duogel</a>	<a href="#">Gelcell G2</a>	<a href="#">CoolCell</a>
DC003-1514	GC005-1414	CC004-1616
DC003-1616	GC005-1515	CC004-1717
DC003-1618	GC005-1616	CC004-1816
DC003-1717	GC005-1618	CC004-1818
DC003-1816	GC005-1717	
DC003-1818	GC005-1816	
DC003-1820	GC005-1818	
DC003-2018	<a href="#">Gelcell</a>	<a href="#">Trio</a>
DC003-2020	GC004-1514	TC001-1416
DC003-2218	GC004-1616	TC001-1616
DC003-2418	GC004-1717	TC001-1717
	GC004-1816	TC001-1816
	GC004-1818	TC001-1818
	GC004-2018	



# Covers & Accessories

Our Relax range of wheelchair cushion covers are all designed to offer protection to the user and the product. The covers are designed to be breathable or fluid repellent, vapour permeable, stretchable and hand-washable.



## Spacer Fabric Cover

Available with:  
[CoolCell and Gelcell](#)

Materials:  
Topside: Spacer fabric material enhances redistribution of pressure peaks and dispersion of air and water.  
Underside: Weft knitted nylon polyurethane griplock, treated against flammability, protects against fungi and bacteria.

Features:  
Excellent dispersion of air and moisture  
Enhances redistribution of pressure peaks  
Millions of microfilaments act as miniature pressure springs  
Highly durable  
Washable at 60°C  
High grip/anti-slip surface

Codes & Sizes:  
[CoolCell / Gelcell](#)  
CC002-1514  
CC002-1616  
CC002-1717  
CC002-1816  
CC002-1818  
CC002-2018



## Handi Pump

Aerogel dual action Handi Pump

Available with:

[Gelcell, Gelcell G2, CoolCell](#)

Code: AP001



## Repair Kit

Available with:  
[Gelcell, Gelcell G2, Coolcell](#)

Code: RPK005

The repair kit should be used as a temporary solution only.





# Product Care

## Your Questions Answered

### Q: How do I care for my RELAX wheelchair cushion?

Care instructions are included with every RELAX product. This instruction pamphlet contains all the information you will need to care correctly for your cushion and its cover.

### Q: How much should the air cushions (Gelcell, Gelcell G2, Coolcell) be inflated?

It is important not to over-inflate the air cushions, as this could damage the integrity of the individual cells. For inflation guideline please refer to instruction pamphlet with your product.

### Q: How long will the air cushion stay inflated?

The air cushions underwent cyclic loading testing of 70kg for 300,000 cycles and did not deflate. This is more than an air cushion would be expected to withstand in a lifetime. However, it is highly recommended to check the level of inflation on a regular basis.

### Q: What happens if the valve is opened accidentally?

The air cushions will not release air if the valve is accidentally opened, as pressure needs to be applied to the valve (i.e. squeezed) before air will be released.

### Q: Will the air cushions burst easily?

When used correctly, the air cushions should withstand normal day to day usage and should not burst. The air cushions are made up of 3 layers of a durable polyurethane film. Together these have a thickness of approximately 1mm. If any damage occurs (e.g cut, crack, or tear) the product should be replaced. A repair kit is available but should only be used as a temporary solution.

### Q: How should the air cushions be placed in my wheelchair?

The valve of the air cushion should be placed toward the back of the wheelchair.

### Q: Is my RELAX cushion under warranty?

All RELAX cushions have undergone rigorous testing and are manufactured to ISO 13485:2012 standards, each carrying the CE Quality mark and are guaranteed against manufacturing defects for 2 years.

### Q: What is the weight limit of a Relax cushion?

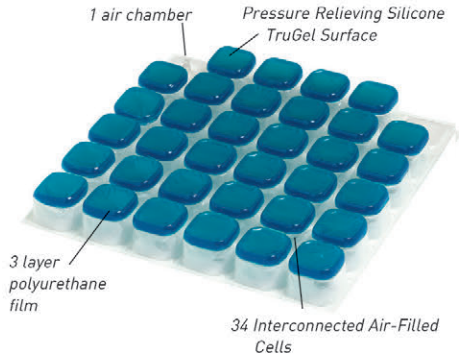
Weight limits are indicated on the Relax wheelchair cushion cover and in this catalogue.

### Q: What weight is used in your illustrated Pressure Mapping?

80Kg is the weight limit used. It is important to note that pressure relief will be compromised as weight increases.

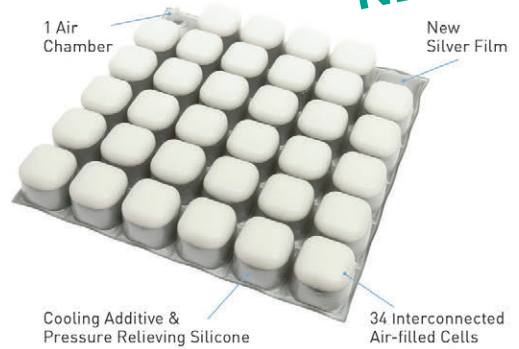
The Pressure Maps illustrated in this brochure are for visual aid purposes.  
More detailed Mapping and information is available upon request.

# RELAX CUSHIONS

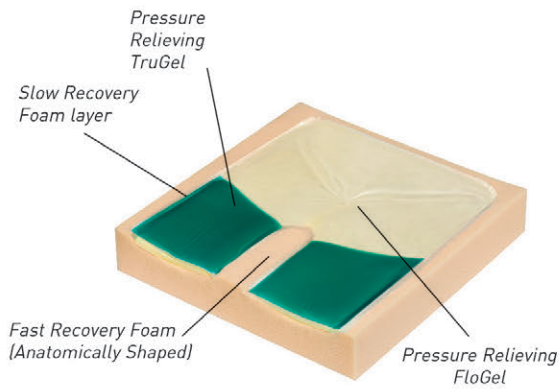


## COOLCELL

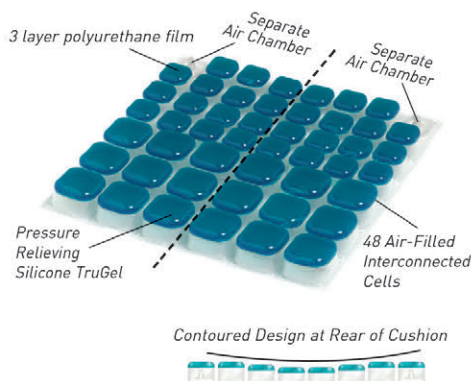
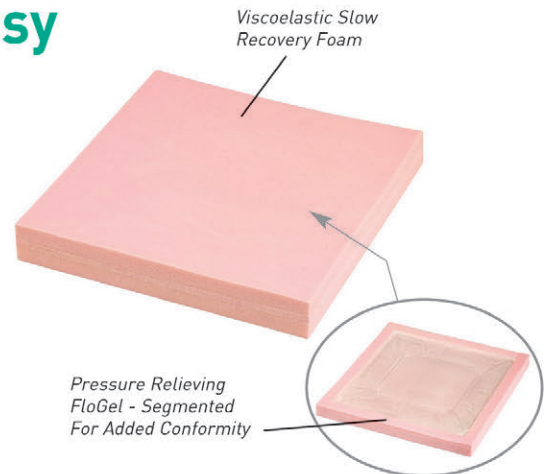
**NEW!**



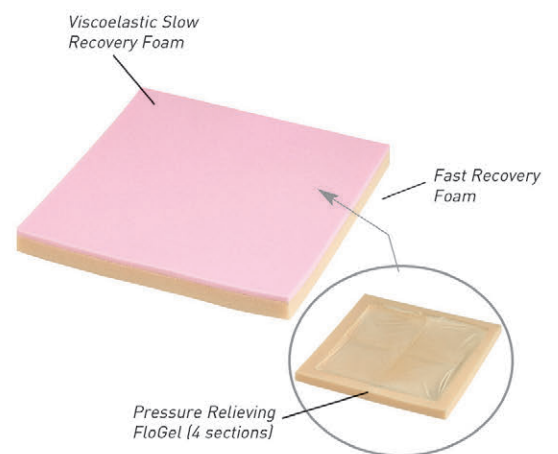
## Duogel



## Easy



## Trio



[www.trulife.com](http://www.trulife.com)



ENQUIRIES ADDRESS	TELEPHONE	FAX
International: Trulife, 3013 Lake Drive, Citywest Business Campus, Dublin 24, Ireland	+353 1 4511755	+353 1 4660015
Ireland: Trulife, 3013 Lake Drive, Citywest Business Campus, Dublin 24, Ireland	+353 1 4511755	+353 1 4660015

