

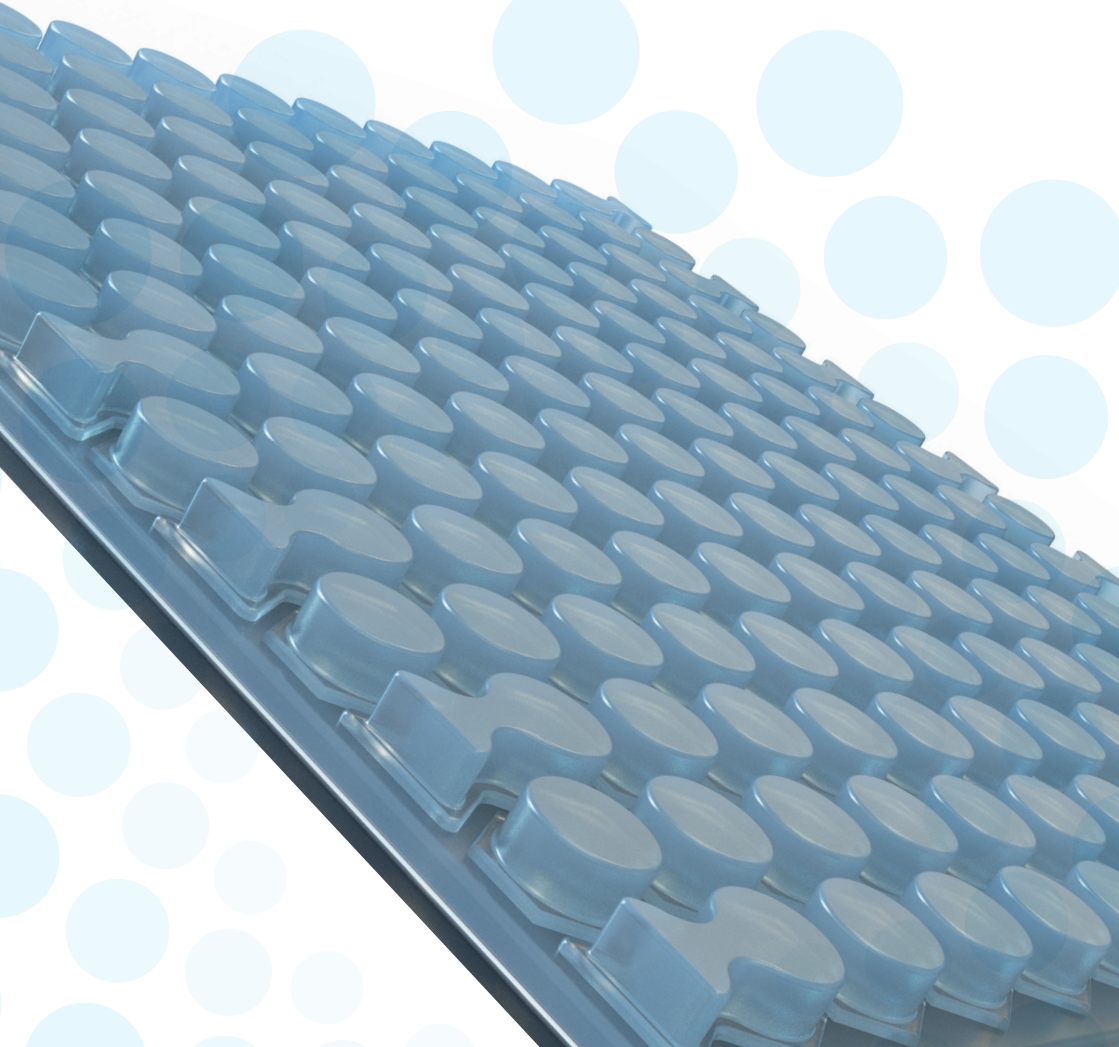


**Gel
Ovarions**
Pressure Care Products



Dimensional Gel Plus

**Increased Immersion and Envelopment for
Protection of Bony Prominences**



A New Level of Protection

Dimensional Gel Plus is a new range of medical-grade Gel Products from Gel Ovations. Offering the same unique pressure-relieving properties as our Dimensional Gel, Dimensional Gel Plus is 40% thicker, allowing increased immersion and envelopment for individuals with bony prominences.

As with all our range, Dimensional Gel Plus provides low-profile, high-pressure relief, coolness and reduces skin shear and friction.

Sustainability and cost-savings are achieved as the new product can be easily cleaned and sanitised to be reissued repeatedly. This makes it ideal for Community Stores, Hospitals, and Care Settings, being durable, reusable, and cost-effective with no maintenance required.

Every patient is different in their needs, our technical healthcare team is always here to help with clinical application requirements, from 'off the shelf' products to our Made to Measure solutions. Simply contact us to discuss the pressure care solutions you require.

Danielle Base | [Specialist Occupational Therapist](#)



Protects Vulnerable Body Parts

The introduction of Dimensional Gel Plus provides a comprehensive family of pressure care solutions for clients of all sizes, ages, and body shapes.

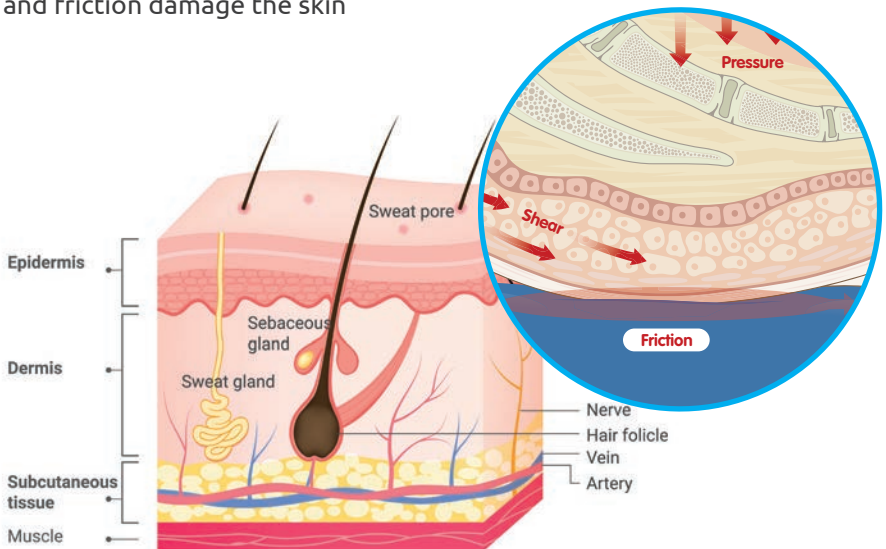
Made from medical-grade silicone gel, Dimensional Gel Plus is designed to protect vulnerable skin and bony prominences at risk of pressure ulcers including:

- Coccyx
- Ischial tuberosities (Sit bones)
- Pelvis
- Sacrum
- Elbows
- Heels



Human Skin

Without protection, the forces of pressure, shear and friction damage the skin



Benefits of Dimensional Gel Plus



Prevents shear and friction

Shear and friction injuries occur when the underlying skin layers move with the person while the epidermal/dermal layers adhere to the chair surface, because of friction. This causes the shearing of tissues under the skin.²

Dimensional Gel Plus cells move in a 360-degree position when the person moves, significantly reducing the risk of shear and friction.



Combats Moisture Build-up

Measures to diminish skin exposure to wetness are an important consideration in reducing the risk of pressure ulcers.³

The deep cells of Dimensional Gel Plus increases airflow and encourage moisture to run away from the skin. This reduces the risk of superficial loss of the epidermis and/or dermis, helping to keep the skin intact and preventing pressure ulcer formation.



Maintains Coolness

For pressure ulcer prevention, the effects of humidity and temperature next to the skin surface are linked to concurrent soft tissue deformation. Skin should therefore be kept as cool and dry as possible.¹

The unique properties of Dimensional Gel Plus mean it is unaffected by extreme cold or heat maintaining its softness and comfort at all times. It is cooling, soothing to the skin, provides relief, and helps regulate body temperature. The gel is that it can be placed in the fridge before use, to further help regulate skin interface temperature.



Fits Anywhere

Dimensional Gel Plus can be used on any type of seating - it contours to the exact shape of any underlying surface.



Cost Effective and Sustainable

The Gel is maintenance-free and easy to clean - It is simple to clean for hygiene and infection control. It can be reused and reissued making it a cost-effective and sustainable solution.





Promotes Good Posture

Seat height and ensuring the person is supported correctly whilst sitting, are an important aspect of pressure care. An incorrect seat height can increase the risk of pressure ulcers on the sacrum, buttocks, and back of thighs. ⁴

Being low in profile, Dimensional Gel Plus helps maintain good posture and reduces the risk of sacral sitting and sliding when in a sitting position.



Provides Immersion and Envelopment

Immersion occurs on a support surface where the body sinks into it, allowing more of the body surface area to come into contact with the support surface, thus redistributing pressure over a wider area and reducing pressure over bony prominences. Envelopment is the term used to describe how well the support surface conforms to the contours of the body. ⁵

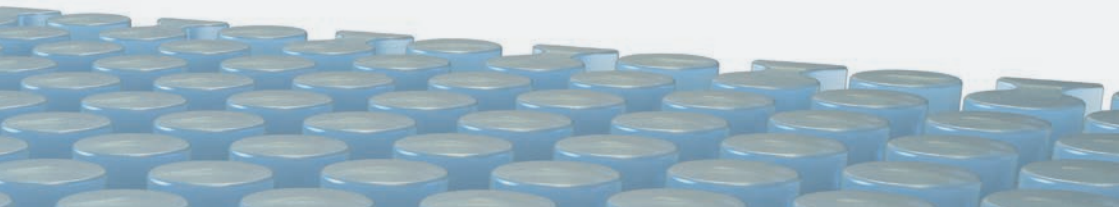
For immersion, Dimensional Gel Plus helps by conforming closely to the body's shape, reducing localised pressure and promoting blood circulation. It's Envelopment properties are also effective in reducing pressure on bony prominences and other vulnerable areas prone to pressure ulcer development.



Improves Pressure Distribution

Pressure Ulcers cannot form without loading, or pressure, on tissue. As well as turning and weight shifting frequency. Uneven pressure distribution can lead to tissue ischemia and subsequent pressure ulcer formation. ⁵ Pressure redistribution surfaces. **the use of dynamic surfaces that actively redistribute pressure on the body surfaces are key to the prevention of pressure ulcer formation.** ⁶

Dimensional Gel Plus pads, are designed to distribute pressure evenly across the cells, reducing the risk of tissue damage and promoting skin integrity.



At-a-Glance: Properties of Dimensional Gel Plus



Prevents shear and friction



Cost Effective and Sustainable



Combats Moisture Build-up



Promotes Good Posture



Maintains Coolness



Provides Immersion and Envelopment



Fits Anywhere



Improves Pressure Distribution

Dimensional Gel Pads Plus Sizes

1616 BCTB

400 mm x 400 mm x 18 mm

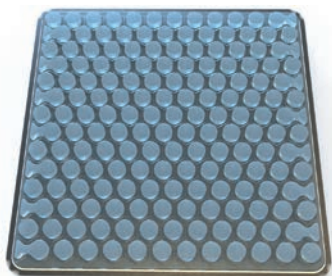
1818 SCTB

460 mm x 460 mm x 18 mm

2020 BCTB

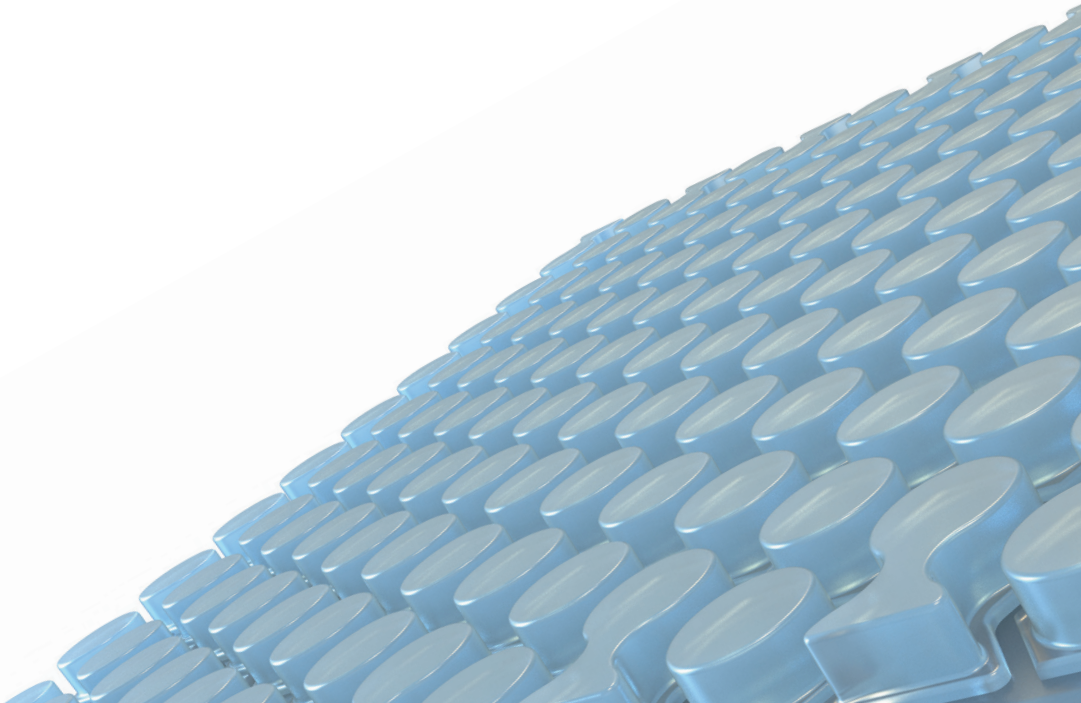
510 mm x 510 mm x 18 mm

www.gelovationseurope.com



Sources

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- ⁴ Pressure ulcers: Back to the basics: Karoon Agrawal and Neha Chauhan *Indian Journal of Plastic Surgery* May-August 2012 Vol 45 Issue 2
- ⁵ Challenges in pressure ulcer prevention: Carol Dealey, C. Tod Brindle, Joyce Black, Paulo Alves, Nick Santamaria, Evan Call, Michael Clark, *International Wound Journal* First published: 20 June 2013
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