

# CozyZone FLIP Overlay

## Advanced Foam Overlay with Dual Microclimate Control



## Supporting Skin Integrity Through Clinically Aligned Design

The CozyZone FLIP Overlay is designed to support Clinicians in the prevention and management of pressure related skin damage.

Combining high-grade visco-elastic foam with advanced microclimate control, it provides a clinically informed support surface suitable for a wide range of care environments.

### Part of the CozyZone Sleep System

The CozyZone FLIP Overlay is a key component of the wider CozyZone sleep system, designed to work as an integrated solution rather than a standalone product.

While the overlay plays a critical role in pressure redistribution, microclimate management, and thermal support, its performance is optimised when used in combination with the full CozyZone system.

The interaction between the support surface, base system, and overlay ensures that clinical outcomes, such as pressure management, stability, and Patient comfort, are delivered as intended.

For this reason, the FLIP Overlay is not designed for independent use and should be considered as part of the complete CozyZone solution.

## Clinical Benefits at a Glance

- Enhances **Pressure Redistribution** and **Immersion**
- Supports **Optimal Skin Microclimate Management**
  - Helps **reduce Peak Pressure** at vulnerable areas
  - May assist in **reducing Shear** during repositioning
- Provides **targeted Temperature Regulation** with **Optional**

### Thermal support

- Supports infection control with **wipe-clean design**
- **Manufactured in the UK** for consistent quality



The Cozyzone FLIP Overlay should be considered as part of the complete CozyZone solution.

# How the CozyZone FLIP Overlay Works

## Dual Microclimate Control & Active Temperature Management

Effective pressure care is no longer achieved through pressure redistribution alone. Managing the skin microclimate, particularly temperature and moisture at the skin interface, plays a critical role in maintaining tissue viability and Patient comfort.

The CozyZone FLIP Overlay incorporates **CoZyTherm PCM technology**, enabling Active Temperature Regulation rather than relying solely on passive airflow or moisture-wicking materials.

This technology works by responding dynamically to body heat, helping to maintain a stable and clinically appropriate skin temperature.

- **Actively regulates Skin Temperature** at the Patient interface
- **Reduces heat build-up and moisture** accumulation
- **Supports tissue tolerance** and **skin integrity**
- **Enhances overall patient comfort**

By stabilising the microclimate, the FLIP Overlay addresses one of the most significant and often under-managed contributors to skin breakdown.

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## Pressure Redistribution & Immersion

Alongside advanced microclimate control, the CozyZone FLIP Overlay delivers effective pressure redistribution through the use of high-grade, temperature-sensitive viscoelastic foam.

The material responds to body heat and weight, allowing it to contour closely to the individual and increase surface contact area.

- **38 mm depth** for **enhanced immersion**
- Adapts to body shape to **improve envelopment**
- Promotes **even load distribution** across vulnerable areas
- Helps **reduce localised peak pressure**
- **Supports stability** while **allowing natural micro-movement**

This combination of immersion and envelopment supports the protection of soft tissues and aligns with established principles of pressure ulcer prevention.

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## Supporting Reduction of Shear

Shear forces can significantly contribute to tissue damage, particularly during repositioning or when patients slide within the bed.

The viscoelastic properties of the FLIP Overlay, combined with its ability to immerse and stabilise the patient, may help to:

- **Minimise friction** during movement and repositioning
- **Reduce shear forces** acting on vulnerable tissues

By supporting more stable positioning and reducing mechanical stress on the skin, the overlay contributes to a safer care environment.



**Together, these mechanisms ensure the CozyZone FLIP Overlay delivers a balanced approach to pressure care combining innovative microclimate management with proven support surface principles.**

# Clinical Evidence & Guideline Alignment

The CozyZone FLIP Overlay aligns with established support surface principles evaluated in Clinical Research.

## PRESSURE 2 Study

Demonstrated the importance of effective support surface selection in pressure ulcer prevention, highlighting the role of high-specification foam surfaces.

The FLIP Overlay is designed in line with key principles:

- **Pressure redistribution**
- **Immersion and envelopment**
- **Shear reduction**

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## International Guidelines (NPUAP, EPUAP, PPIIA)

Guidelines recognise the importance of microclimate management, including control of temperature and moisture at the skin interface.

Effective microclimate management is associated with:

- **Improved tissue tolerance**
- **Reduced risk of skin breakdown**
- **Enhanced patient comfort**

The CozyZone FLIP Overlay supports these principles through Active Temperature Regulation.

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## Clinical Context & Historical Perspective

Foam overlays have played a foundational role in support surface design since their introduction in the mid-1990s.

While early systems used thinner foam layers, concerns around heat retention led to alternative materials such as woven and microfibre overlays.

However, in Northern Europe, leading providers of 24-hour postural care—particularly in elderly care—have continued to use foam overlays for over 25 years.

In these populations:

- Maintaining warmth can be clinically beneficial
- Reduced thermoregulation makes heat retention advantageous
- Gentle warming promotes relaxation and may reduce muscle tone

This relaxation can support improved positioning and has been associated with reduced contracture risk.

**The CozyZone FLIP Overlay builds on these established principles, combining the proven benefits of foam with modern microclimate control.**

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## Infection Control & Practical Use

Designed for real-world clinical environments:

- Wipe-clean surface for rapid decontamination
  - Supports infection prevention protocols
  - Reduces reliance on laundering facilities
  - Minimises downtime between patients
  - Suitable for acute, community, and high-turnover settings
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## Manufacturing Quality

- **Manufactured in the UK** using high-grade viscoelastic foam
- Ensures **consistent quality and performance**
- Supports **reliable supply and traceability**
- **Designed for demanding Clinical environments**



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