

Heel Rest

Affordable solution for treating and preventing heel ulcers



Our Heel rest liner is made of Air-0-tech fabric that allows a layer of air to flow freely around the calf, ankle, and foot to keep the skin surface cool and dry. The Air-0-Tech fabric also provides a soft cushion layer to further enhance circulation to the extremity.

Air-0-tech is a low friction fabric that helps to decrease shearing, which is one of the major contributing factors of Cubitus Ulcers. This low shear fabric is also instrumental in reducing the instances of new ulcers.

MilSport utilizes an ergonomic calf pad that fits the contours of the lower leg to reduce pressure points at the skin surface. The calf pad has excellent recovery and cushioning properties, completely floats the heel, and insures that the ulcer is free from any further pressure or contact with external surfaces.

Our customizable strapping system also utilizes our Air-0-Tech fabric, and was created to provide an "open air design", leaving non-affected areas uncovered.

Ideal for patients with diabetes, peripheral vascular disease, neuropathy and others at risk for impaired skin integrity.



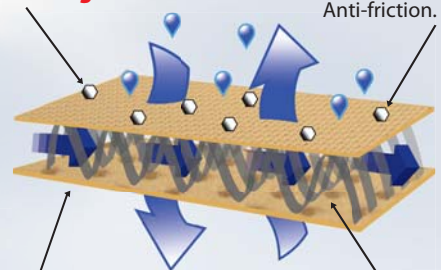
How It Works:



Nano Silver Treatment
Anti-Microbial/Anti-Bacterial and Odor-Controlling.



Top Layer
Soft and Breathable
Anti-friction.



Bottom Layer
Air and Moisture
Ventilation

Spacer Layer
Allows for Optimal
Air-flow.



Our Air-0-tech fabric is treated with an anti-microbial/anti-odor treatment that is extremely effective against harmful bacteria that cause odor. This treatment is effective against many bacteria including Staphylococcus.

Heel Rest

Affordable solution for treating and preventing heel ulcers

- Heel Protection • Open Air Design
- Anti-Microbial • Odor-Controlling
- No Contact With Heel

Features and Benefits of the best heel protection product on the market:

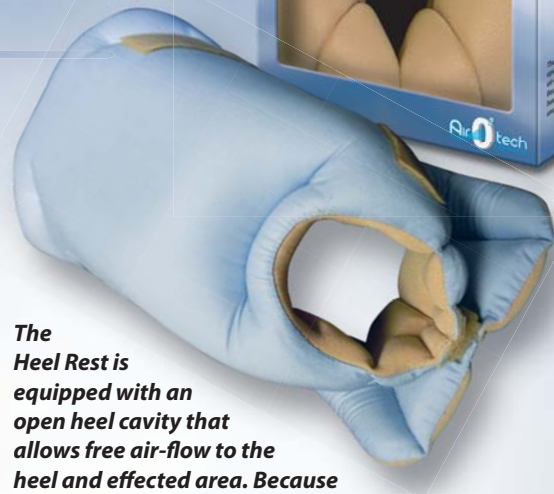
1. Open front design keeps you cool with minimal foot coverage.
2. Anti-microbial fabric that kills harmful bacteria that cause odor.
3. Ergonomically designed calf pad completely floats the heel and reduces pressure points.
4. Extended toe helps prevent liners from shearing sensitive toes.
5. Flip back toe design allows dual positioning of foot.



6. Air-O-Tech fabric liner that creates air-flow around the calf and foot to keep you cool and dry.
7. Air-O-Tech fabric provides a soft cushion layer that helps to eliminate poor circulation to the ulcer and foot.
8. Open heel cavity design allows for free air-flow to the heel and effected area.
9. Extra long adjustment straps can be cut to size to provide custom fit.
10. Patient specific strapping system allows customizable fit.
11. Machine washable and reusable.

Standard Heel Rest Carton

XL Heel Rest Carton



The Heel Rest is equipped with an open heel cavity that allows free air-flow to the heel and effected area. Because there is no contact with the heel, ulcers can be left covered or uncovered, as desired.

Antibacterial efficacy of nano silver finished fabric on Staphylococcus Aureus and preliminary test on its safety.

Sample	Reduction of Bacteria (%)	
	Before Washed	After Washed
Untreated Fabric	0	0
Nano Silver Treated Fabric	>99.99	>99.99

Studies show that the cotton/polyester blend fabrics finished with silver nanoparticles had excellent antibacterial effect against a Gram positive bacteria, S. aureus. These findings agree well with the experimental data reported by Lee et al.,(2003) and Yeo et al., (2003). Kim et al.,(2007) suggested that the inhibitory activity of silver nanoparticles was influenced by free radical generated on the surface of silver nanoparticles. The result of durability to wash of the treated fabric also showed long-lasting bacteriostatic effect. The S. aureus was completely abated on the silver finished textile even after being exposure to 20 consecutive typical careful hand laundering condition. This verifies that nanosized silver particles, as observed in SEM images, were firmly attached onto the fiber surfaces. Primary irritation test in rabbit was examined to investigate the effects of dermal exposure of the treated fabric. Based on the results, nano silver treated textile did not show any visible signs of skin irritation. MU. J. Nat.Sci. Special Issue on Nanotechnology(2008) Vol. 7(1)