

PRODUCT BACKGROUND

The Tempur-Med® Bed contains the authentic TEMPUR® Difference plus the Enhanced Pressure Management System

The Tempur-Med® Bed

The leader in therapeutic sleep, Tempur-Pedic, introduces the industry's first medical bed. The Tempur-Med mattress is designed specifically for clinical settings. Cut to fit numerous medical frames, the Tempur-Med mattress is the only mattress with authentic TEMPUR material and the Enhanced Pressure Management System designed for the prevention and treatment of pressure-related medical concerns.

Authentic TEMPUR Material

TEMPUR material is viscoelastic, latex-free, "open cell" polyurethane. Viscoelastic describes the property of a substance to both resist flow or change of shape (viscous) and to return to its original shape after being forced to change (elastic). The open cell structure is breathable and promotes air flow. Air, water, and gel systems are all "closed" systems that displace pressure instead of absorbing and relieving it. TEMPUR material is denser (5.34 lbs/ft³) than any other foam surface, which research indicates is the ideal density for a sleep surface. Memory foam maxes out at 4 lbs/ft³, while typical quality foam lists at only 1.89 lbs/ft³. The greater density allows for greater sensitivity of the material, which is more durable and prevents the "bottoming out" that can occur in less dense material.

TEMPUR material takes full advantage of the two properties of viscoelastic foam: fluid-like deformation and shape retention. TEMPUR material resists compression with little energy, cushioning by enveloping the body so it lies *in* the mattress, not *on top* of it. All TEMPUR material is temperature-sensitive, matching the body and its surroundings for comfort and reduced system shock. Motion transfer is also eliminated in Tempur material so energy and movements are absorbed by the mattress, not transferred to other sensitive body parts.

The Tempur-Med Difference

Tempur-Med was created for the clinical setting. Physically, the mattresses are cut to a variety of standard medical bed frames. Tempur-Med is also thinner, to match the flexibility requirements of many healthcare settings.

The Tempur-Med Bed further differentiates itself from the well-known Tempur-Pedic® consumer division. Tempur-Med mattresses utilize the Enhanced Pressure Management System designed to facilitate the prevention *and treatment* of pressure-related medical problems. This system is the result of the interaction between the substrate and the TEMPUR material, which enhances the medical properties of the mattress. The Tempur-Med material is naturally antimicrobial and latex-free.

The pressure-reducing system of Tempur-Med protects bony prominences by surrounding them and reducing contact area by absorbing and redistributing pressure across the entire surface area. The molding of the material to the body reduces friction and pressure peaks, improves blood flow, and reduces the potential for skin breakdown.

The Enhanced Pressure Management System is wrapped in a medical-grade, washable cover that augments the benefits of the Tempur-Med Bed. The medical-grade cover is resistant to bacteria, fungus and other infection-causing organisms. It is impervious to liquids, yet still promotes healthy airflow. It is quality constructed from 100% polyurethane with strong, welded seams and reduces sweating and shearing.

Advantages Designed for Healthcare Settings

The Tempur-Med Bed affords numerous features, benefits, and advantages.

- Low-maintenance, cost-effective:
 - No service required
 - Removable, washable, replaceable covers
 - No turning of mattress required – reduces maintenance and staff costs
- Better health choice:
 - Resistant to fungus and bacteria
 - Cover is impermeable to liquids and spills
 - Reduces incidence of hospital-acquired infections, which are costly and compromise patient/family confidence
- Economical:
 - Minimizes need for wound treatment disposables and specialty bed rentals
 - Medical benefits of Tempur-Med generate quicker turnaround of patients
 - Maintenance-free
 - Easily washable
- Better health results:
 - Prevention *and* treatment of pressure problems
 - Therapeutic, part of the healing process
 - Breathable
 - Resistant to mold and bacteria
 - Latex-free
- Full line of Tempur-Med products:
 - Therapeutic mattresses
 - Rehab mattresses
 - Bariatric mattresses
 - Numerous pillows, cushions, and accessories available