



MILLIKEN HEALTHCARE PRODUCTS, LLC

SIMPLE DIFFERENCE

HOW CAN SOMETHING SO SIMPLE BE SO TECHNICAL?

Seemingly simple, but highly technical, Milliken’s TRITEC™, ULTRA and ASSIST dressings are designed with Active Fluid Management® Technology, a result of decades of textile innovation. By combining multiple proprietary technologies into a simple dressing, Milliken has introduced deep science, unique insights and meaningful design to the wound care industry.

HOW CAN SOMETHING SO LIGHTWEIGHT BE SO POWERFUL?

Milliken invented the technology behind the biggest active apparel brands and brought that knowledge to the field of wound care. By leveraging their expertise in moisture management, Milliken scientists have designed a powerful three part wound care dressing. The interaction between the layers allow TRITEC, ULTRA and ASSIST dressings to actively manage moisture, rather than to simply absorb moisture as do many other wound care dressings.

HOW CAN A DRESSING FEEL WET ON ONE SIDE AND DRY ON THE OTHER?

A key attribute of the TRITEC, ULTRA and ASSIST dressing design is the hydrophilicity of each layer (the material’s willingness to interact with water). Because the Transfer Layer (layer away from wound) is more hydrophilic than the Protection Layer (layer in contact with moderate to highly exuding wound), moisture that comes in contact with the dressing will naturally migrate through each layer and away from the wound bed. For this reason, you can dampen the dressing with water and in a short time, one side will feel wet and the other side will feel dry to the touch. That’s the simple difference.

HOW CAN SOMETHING SO THIN ACTIVELY MOVE SO MUCH MOISTURE?

AFM® Technology was designed by combining **two layers** of high performance fabrics using a **micro-knit process**. The combination of these two fabrics creates a transferring mechanism that optimizes the amount of moisture at the wound bed. This transferability means that TRITEC, ULTRA and ASSIST dressings can be used to regulate moisture in the case of moderate to highly exuding wounds, allowing true moisture control for wound care professionals.

Justify (not mentioned sorry about that)

HOW CAN SOMETHING SO ENGINEERED FEEL SO SOFT?

During development of AFM® Technology, Milliken scientists tested hundreds of high performance fabrics with real clinicians and patients looking for a combination of materials that were not only strong and effective at managing moisture, but also soft to the touch and comfortable on patients skin. This meaningful design assures nurses that they are treating both the wound and their patients when using TRITEC, ULTRA and ASSIST dressings.





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HOW CAN MICRO-KNIT FIBERS MOVE SUCH LARGE QUANTITIES OF EXUDATE?

The Protection Layer is made up of thousands of micro-knit fibers that are bundled together to create capillaries that move exudate vertically (away from the wound). Like any material, each fiber bundle has a limited capacity of moisture it can accept. Once a fiber reaches capacity, excess moisture would normally spread horizontally. However, because the Transfer Layer is more hydrophilic than the fiber bundles that make up the Protection Layer, excess moisture is quickly pulled vertically into the Transfer Layer. This process traps and locks exudate away, physically separating it from the periwound skin and keeping optimal moisture at the wound bed.

HOW CAN ONE DRESSING WORK FOR UP TO SEVEN DAYS?

The architecture of AFM® Technology creates a continuous capacity to manage moisture. Although facility protocol varies and each patient's orders are unique, nurses can have confidence that TRITEC, ULTRA and ASSIST products will continue to manage moisture effectively throughout the healing process.

HOW CAN SOMETHING SO WHITE CONTAIN SO MUCH SILVER?

Milliken has a long history of excellence in the chemical additive solutions industry and is the silver supplier of choice to multiple medical device manufacturers. TRITEC Silver, ULTRA Silver and ASSIST Silver products contain Milliken's patented ceramic silver ion that delivers control of a broad spectrum of infection causing bacteria. The silver is activated by the body's own sodium and demonstrates antimicrobial activity for up to 7 days, while the dressing design continuously moves harmful exudate and toxins away from the wound bed.

HOW CAN YOU PUT YOUR TRUST IN A COMPANY NEW TO YOU?

Milliken is a family owned Fortune 500 company with over 150 years of experience in textile and chemical science. Milliken has unique expertise in managing moisture through the use of fabrics and textiles and invented moisture management technologies for the U.S. Military and the largest athletic apparel brands. Milliken scientists understand how various fabrics respond to moisture and used this know-how to create Active Fluid Management® Technology (AFM®), the innovation at the center of every TRITEC, ULTRA and ASSIST product. Milliken provides products for a wide variety of industrial and consumer applications, including supplying many competitive wound care brands with the silver they use in their own dressings. Milliken is known for their highly ethical standards, market leadership and products that do good for the world.

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