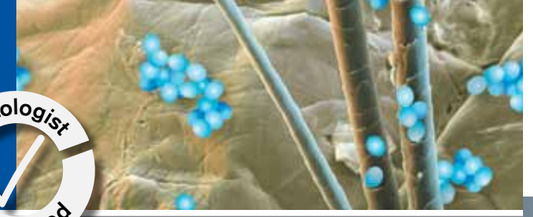
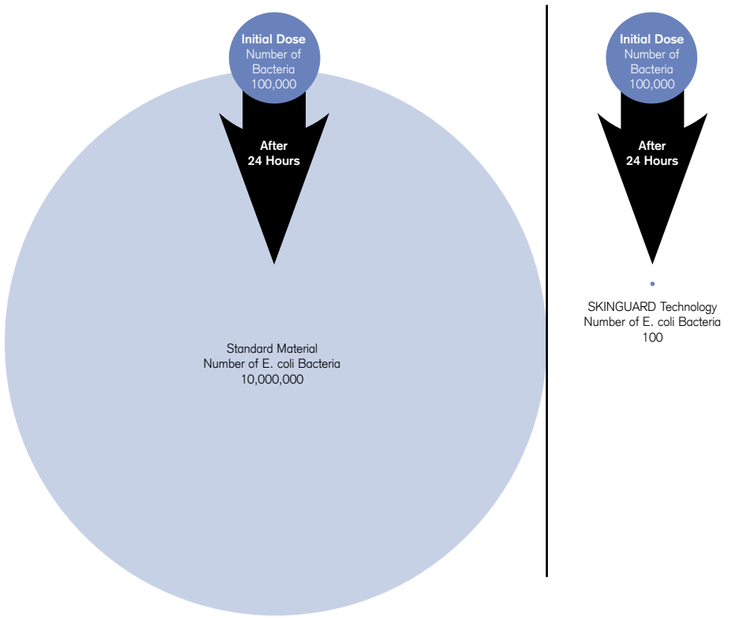


Proven Results

Independent laboratory tests following the specifications of the JIS Z 2801 standard* proved that antibacterial synthetic materials caused a reduction of 99.9% in bacteria colonies of Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative). It must be specifically noted that the antibacterial synthetic materials for prosthetic test sockets are not intended for infection prevention.

*Japanese Industrial Standard, Z 2801, March, 2008



99.9% Reduction in Escherichia Coli Bacteria with Thermolyn Soft and SKINGUARD Technology

Skin Friendly

Our SKINGUARD synthetic materials aren't just antibacterial—they're also skin friendly. They've been proven to be biologically compatible with prosthetic sockets, and have successfully passed independent laboratory tests for

- Cytotoxicity (EN ISO 10993 Part 5)
- Irritation and sensitization (EN ISO 10933 Part 10).

Quality Materials

With our clear guidelines for application—precise forming temperatures—our materials take the guess-work out of the fabrication process too!

The continuous release of silver ions gives the SKINGUARD materials long-term antibacterial characteristics, but has no discernible effect on their formability or function. Furthermore, the purity of these materials leads to less shrinkage during the curing process, limiting waste as well as your frustration during fabrication and fitting.

To find out more about these and other Otto Bock HealthCare products, please visit us at our website, www.ottobockus.com. Or call us at 800.328.4058.

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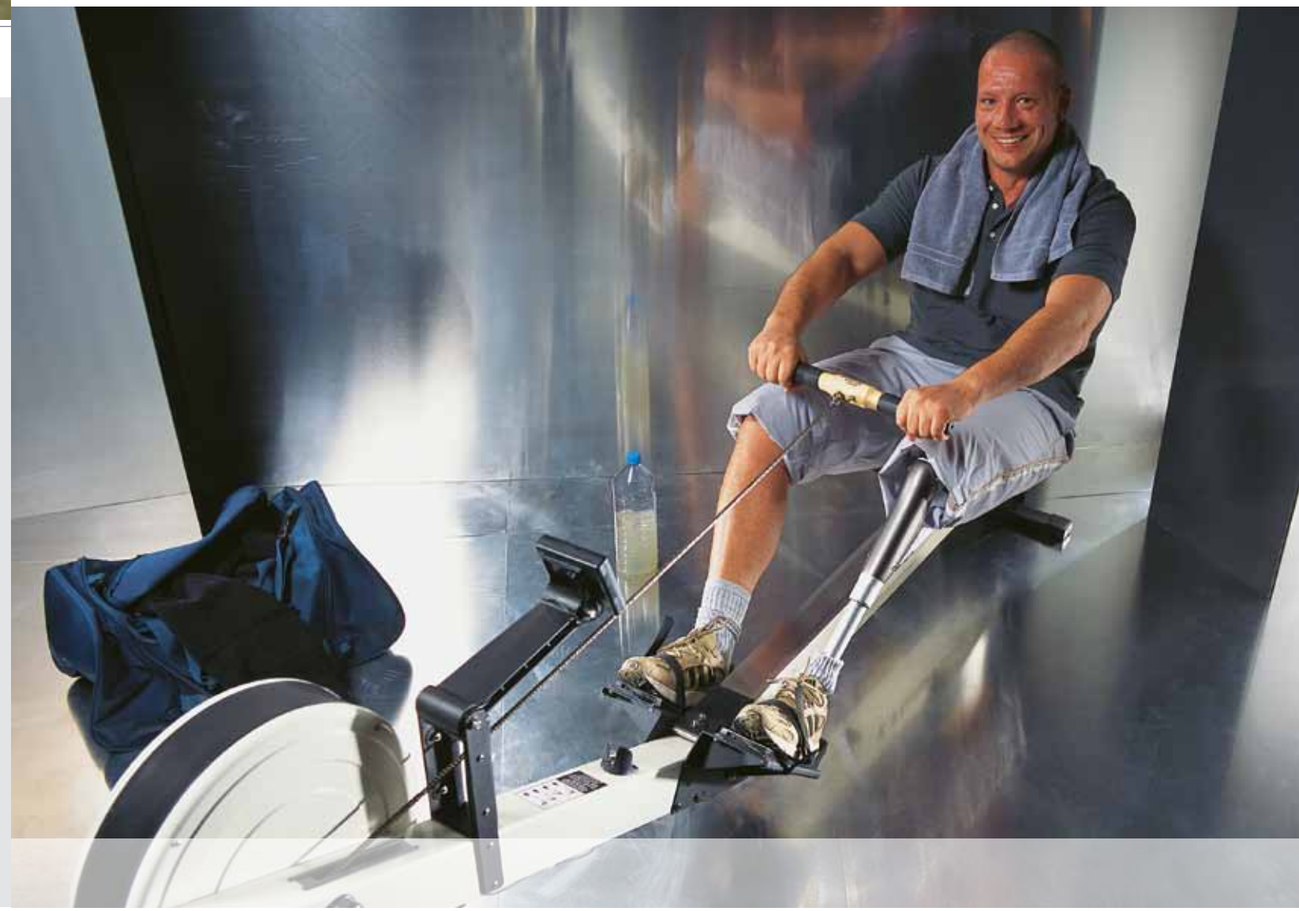

Antibacterial Synthetic Materials

Prosthetic and Orthotic Fabrication

Technical Product Information

Antibacterial Synthetic Materials

Skin-Friendly + Anti-Bacterial + Odor Neutral

Bacteria can create odor and an unhealthy socket or orthotic environment. But now there's a solution: Our new SKINGUARD® Antibacterial Synthetic Materials protect the user's skin and defend against a wide range of microorganisms. These remarkable new materials incorporate antibacterial substances directly into the prosthetic and orthotic plastics.

For the user this reduces odor and discoloration, extending the lifespan of the products.

How SKINGUARD® Works

Antibacterial substances such as silver are integrated into the material during manufacturing. When silver ions come into contact with moisture, they create an environment that prevents microorganisms from reproducing and increasing.

Antibacterial ThermoLyn® stiff polystyrene 616T252

- Antibacterial qualities create a healthier environment for the residual limb
- Ideal for test sockets
- Sheet thickness: 8 mm, 10 mm, 12 mm and 15 mm
- Sheet sizes (2): 400 mm x 400 mm, or 600 mm x 600 mm
- Color: Clear

Antibacterial ThermoLyn® soft, clear (EVA) 616T253

- Designed for fabrication of flexible inner sockets
- Characterized by high rigidity and durability
- Sheet size: 400 mm x 400 mm
- Sheet thickness: 8 mm, 10 mm, 12 mm and 15 mm
- Color: Clear

ThermoLyn® EVA/LDPE SilverShield® 616T200

- Used for fabrication of flexible inner sockets
- Very low shrinkage
- Sheet size: 400 mm x 400 mm
- Sheet thickness: 9 mm, 12 mm and 16 mm
- Color: Natural color

Pedilin® SilverShield® 617S203 or 617S206

- Used for fabrication of soft inner sockets (617S203) or molding helmets (617S206)
- Sheet size: 1050 mm x 1050 mm
- 617S203 sheet thickness: 3 mm, 4 mm, 5 mm, 6 mm, and 10 mm
- 617S206 sheet thickness: 3 mm, 4 mm, 5 mm, and 6 mm
- Color: 617S203 is available in tan; 617S206 is available in white

Antibacterial ThermoLyn® soft 616T269

- Designed for flexible arm sockets
- Available in 400 mm x 400 mm sheets
- Available in four thicknesses 6 mm, 8 mm, 10 mm and 12 mm
- Color: Tan

ThermoLyn® PP-C SilverShield®

- Used for Orthotic applications
- Lightweight durability combined with good thermoplastic formability
- Sheet sizes (3): 600 x 400 mm (616T220), 800 mm x 400 mm (616T221) and 1220 mm x 1220 mm (616T222)

SKINGUARD® technology – Advantages at a glance

- Our synthetic materials have effective long-term antibacterial characteristics thanks to the continuous release of silver ions
- Effective against a wide range of pathogenic bacteria such as Staphylococcus aureus (gram-positive) and Escherichia coli (gram-negative) as specified by the JIS Z 2801 standard*
- Efficient reduction of odor production
- Extremely skin-friendly (dermatologist tested, SGS Institut Fresenius GmbH Deutschland)
- High quality thermoplastic materials.

* Japanese Industrial Standard, Z 2801, March, 2008