

For Immediate Release  
Contact: Vicki Young  
(214) 948-5940 voice, (214) 533-1584 cell  
(214) 948-6940 fax  
vicki@theyoungcompany.net

Photo: Thermoflect® Heat Reflective Technology® patient warming products offer a simple solution to maintaining normothermia throughout the surgical journey.

## **Thermoflect® Heat Reflective Technology® – Helping to attain and maintain normothermia throughout the surgical journey**

McDonough, GA–(2014)–Attaining and maintaining normothermia before, during, and after surgery can be a matter of life and death. Despite all warming technologies in use today, clinical studies of current warming protocols show that 32% of all patients entering the PACU are hypothermic. When the body is kept within a normal temperature range (36.5°C-37.5°C) throughout all perioperative phases, it is better able to fight infection. Surgical site infections remain one of the most common and serious complications of surgery.

Thermoflect products provide an easy addition to any facility's warming protocol, using no wires or external heat source, just proven reflective warming that works immediately for the patient. Thermoflect Heat Reflective Technology products are available in a wide range of products, including blankets, caps, patient gowns, pediatric products, and staff apparel.

Thermoflect Heat Reflective Technology banks the patient's radiant heat by capturing and reflecting it back to the cutaneous layer (skin) as well as preventing convective heat loss (windchill). Cutaneous heat loss occurs as a result of redistribution temperature drop (RTD), where body heat from the core moves to the periphery following anesthesia induction. Once the heat shifts to the periphery, the patient loses it primarily through radiation and convection. The patient's skin surface needs to be covered and protected.

RTD causes the quickest and most significant loss of heat in surgical patients. Evidence-based practices indicate prewarming for a minimum of 15-30 minutes, also known as heat banking, can reduce or even eliminate RTD. Thermoflect's simple four-layer construction is designed to promote normothermia and help prevent hypothermia by protecting the patient's body heat. Thermoflect covers the patient preoperatively to prewarm the skin and continues throughout the surgical experience to maintain warmth.

Thermoflect is also cost-effective, saving 50% or more over other protocols. This adds up to as much as \$80k annually in some facilities. "A significant savings," said Kelley Terrell, Encompass senior marketing manager, Techstyles Nonwovens. "Thermoflect is part of a multi-modal solution to reducing the number of hypothermic patients. Thermoflect can be used in combination with warmed blankets or forced air blankets to enhance their effects, and help achieve the goal of normothermia throughout the surgical process, from admission to recovery."

Thermoflect Heat Reflective Technology patient warming products are available from Encompass Group, LLC. Encompass helps healthcare and hospitality providers create safe and comfortable environments for patients, staff, residents, and guests. For more information about Thermoflect Heat Reflective Technology, visit [www.thermoflect.com](http://www.thermoflect.com) or call 1-800-826-4490. Samples and photos are available by request.

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## **About Encompass Group**

Encompass is one of the world's leading manufacturers and marketers of reusable textiles, professional apparel, and disposable and single use medical products. Encompass believes that every patient, resident, caregiver and family member should feel Safe and Comfortable in today's healthcare environments.

The way Encompass enhances the healthcare experience is by developing innovative products that are reliably delivered and cost effective for all providers.

Encompass is a privately held company headquartered in McDonough, Georgia.

Markets served include Acute Care, Long-Term Care/Senior Care, Retail Health Care Apparel, Hospitality, and Government Operations.

**For more information**, visit [www.encompassgroup.net](http://www.encompassgroup.net), email [info@encompassgroup.net](mailto:info@encompassgroup.net), or call 800-284-4540. AORN Booth #1619.

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