



Hippocrates advised medical staff to nurse critically ill patients on the skins of animals, preferring wool. This is still advisable today.

Homecare, Hospital or Hospice....Are pressure sores a problem to you?

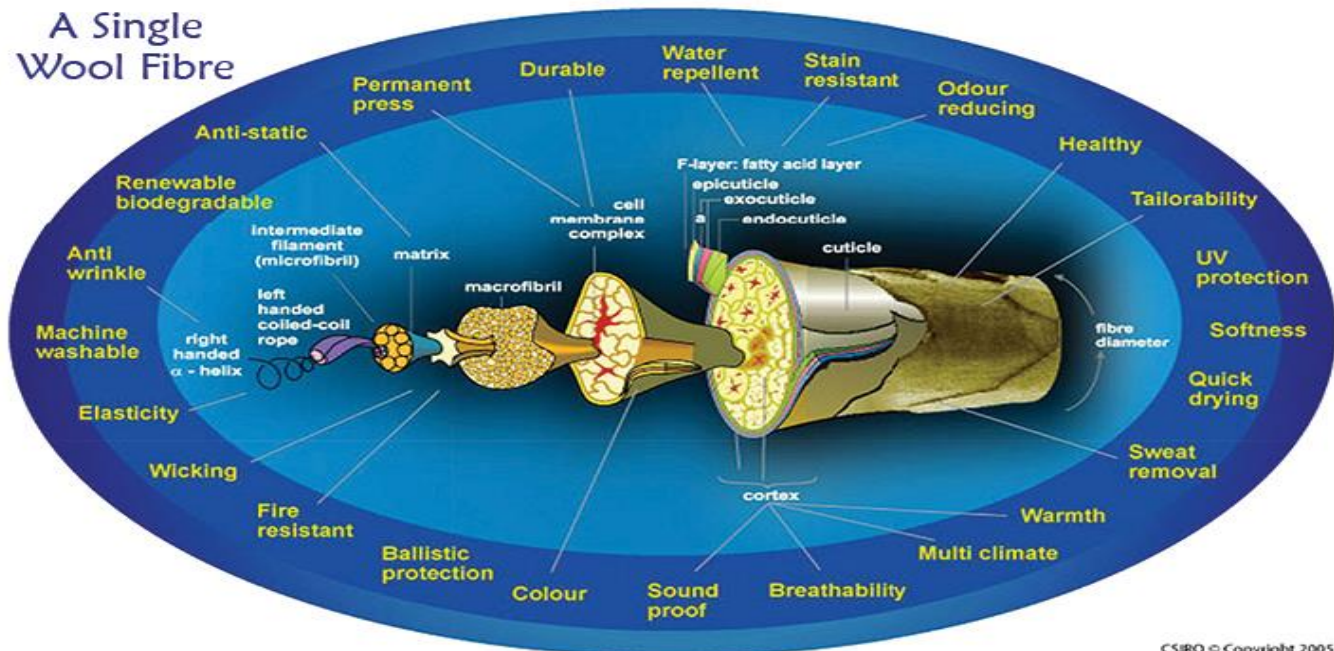
Medical Experts agree that 95% of **Bedsore**s are **Preventable**!

Wool is the answer to this needless suffering

THE HUMAN BODY

- Studies show we are 55 – 75% water.
- We lose an average of 2 ounces of vapor per hour through Transepidermal water loss, 1 litre of moisture per night.
- Our skin needs to breathe.
- Lying in moisture creates an environment for bacteria to thrive and skin to break down.

A Single Wool Fibre



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THE WOOL FIBRE

- Absorbs moisture by capillary action and releases it to the air through evaporation.
- A natural insulator, it regulates and maintains a constant body temp. of 37 C/98.6 F.
- Wool is bacteria, mold, and mildew resistant. Dust mites and bed bugs can't live in wool.
- Predominantly made of keratin, a protein that is present in our own skin and hair.
- Ceramides present in wool, are very similar in composition to those found on the Stratum Corneum (Corneal) layer of human skin tissue.
- Consisting mainly of protein, this natural fibre has an external lipid content, known as lanolin (used in cosmetics), and an internal lipid content of great value due to its high concentration of ceramides.

Wool is effective in treating **and** preventing the three main causes of **skin breakdown: Moisture, Pressure and Chaffing**

HOW DOES WOOL WORK?

1. MOISTURE

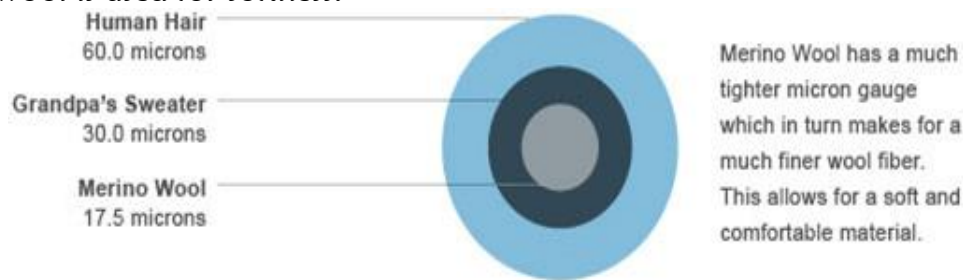
- Wool absorbs 30% to 40% of its own weight in moisture, keeping the contact area dry and the patient comfortable.

2. PRESSURE

- Wool has a coiled spring-like tubular structure that gives gentle, flexible support.
- A wool fibre can bend up to 20,000 times before breaking, providing an extended shelf-life.
- Studies report that when using wool pads you only need to turn the patient every four hours, instead of every two hours.

3. CHAFFING

- Wool fibres fold in on themselves and flow with body movements.
- Merino wool is used for softness.



When wool fibres directly adhere to the skin, a micro-massage is carried out, which increases blood circulation, strengthens the immune system, and increases resistance to disease.

What is **Soul Comfort's Health Sheep's Wool Pile Fabric?**

Soul Comfort's health sheep's wool pile fabric is a top quality material that is produced in Australia and designed for the health field. The shorn wool is put through a super wash, which makes it machine washable and dryer safe to hospital standards of 70 °C. Then the wool is woven into an acrylic backing and stabilized with potato starch.

WHY USE AN ACRYLIC BACKING & POTATO STARCH?

- Acrylic doesn't mildew or get moldy. It dries quickly, and doesn't lose shape.
- Acrylic has been used in the drapery & clothing industry for over 30 years with no reported cases of allergies.
- Potato Starch has been used to iron shirts and press clothing in the recent past.
- Potato Starch is an **organic stabilizer**.

SOUL COMFORT'S HEALTH SHEEP'S WOOL PILE FABRIC

- We use three different types of sheep's wool, predominantly merino wool.
- Available in both 850g and 950g per square meter.
- Fibres of the 950g are sheared in combination of 1" and ½" lengths. The wool pile density matches the Hi-Temp green medical sheepskins.

This wool pile fabric *exceeds sheepskin* in strength and durability.

In tough economic times how can we afford to ignore the cost savings and health benefits of using wool?

Soul Comfort would gladly participate in any medical trials using our Sheep's Wool Pile Fabric.