

# ABEL NATURAL FELT -

## Innovation Meets Craftsmanship



The **ABEL HAMMER COMPANY** has built a lasting reputation in the piano industry, even in challenging market conditions. Our success is rooted in a clear philosophy: an uncompromising commitment to quality, with felt as the essential element of every hammer we produce.

Between 2003 and 2006, General Managers **Frank and Norbert Abel** were selected to participate in the **BIOFELT PROJECT** – a forward-looking research initiative funded by the **European Union**. This collaboration brought together leading European felt manufacturers and research institutes to deeply investigate how felt is made and how it can be improved.

### BIOFELT PROJECT Goals:

- To analyze the core properties of felt
- To reduce fiber damage during processing
- To create high-quality felts using environmentally friendly methods

The insights gained from this project directly led to the development of **ABEL NATURAL FELT** – a felt made from **premium Merino wool fibers**, produced without the use of carbonization or acid baths. Traditional carbonization removes wool impurities but also strips away the **natural lanolin**, an essential component that gives wool its elasticity and tonal warmth.

Instead, **ABEL NATURAL FELT** preserves this natural lanolin – **up to 10 times more** than conventional felts – resulting in a smoother surface, more flexibility under tension, and a refined tonal character. Visibly, this felt has a slightly yellowish, natural color with small wool inclusions that signal purity and authenticity.

### Why Technicians and Makers Choose ABEL NATURAL FELT:

- A rich, full-bodied tone that responds well to voicing
- Exceptional resilience and tonal stability
- Available in soft, medium-hard, or hard versions
- Suitable for **new hammer production** and **hammer recovering**

More and more piano manufacturers and technicians are discovering the tonal benefits of this innovative, eco-conscious felt – a result of decades of expertise and a dedication to progress through tradition.

## ABEL HAMMER COMPANY

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