



THERMAL INSULATION EXPERTS SINCE 1972

## Thermore – Lohas in the focus

### Sustainability started not only today:

First efforts to use sustainable raw materials have been made already in 2003 when fibres of re-growing materials like Tencel (pine wood) and Ingeo (corn) have been used. They are still part of Thermore's product category "Sustainable". Due to quality reasons, i.e. touch and durability, there always had to be a blend with 50 percent of polyester fibres. In 2006 the new category „Rinnova“ (based on recycled polyester) has been launched which was first only available in a 50/50 version. Last year also 100% versions have been made possible.

### A small eco-balance:

The energy needed for producing and processing polyester fibres for wadding is about 83 MJ/kg. For a jacket made with 100g Rinnova 100% requires approximately 0,24 kg of polyester. The energy for the recycling process of a PET bottle (sorting, shredding, washing and drying) is making up only 5 MJ/kg. Here we already have a saving of 77 MJ/kg. Based on the use of 0,24 kg of polyester, which is the equivalent of six to eight half litre bottles respectively four to six 1.5 litre bottles, the energy saved is 18,48 MJ/kg per jacket. This energy can make a 100 watt light bulb burn for 51,1 hours.

Reduction of waste: Based on an average of six PET bottles per jacket the saving is significant. If 1000 jackets are converted to Rinnova 100% a pile of rubbish with 6000 bottles is reduced to zero.

### The future – an ambitious eco-commitment:

There are two main reasons why Thermore is striving for a change of its whole programme to sustainable fibres, explains managing director Patrizio Siniscalchi, looking at the future: „First of all there is my own belief that everybody and every company should contribute to a careful behaviour with our resources. Second, we can expect that at later stage oil based products will become "unaffordable". Due to both reasons it is absolutely sensible to develop solutions for the future already today. Price wise both European products Ecodown (made from 95% conventional polyester) and Rinnova (made from recycled polyester) are identical. In Asia there is an alternative, TMK, which for the time being is still less expensive than the recycled product.“

With its product philosophy Thermore is part of a textile avant-garde which is establishing recyclable and sustainable products in the market – mainly in sports and outdoor. Among them are names like Adidas, Nike, Sprayway and Mammut, who belong to Thermore's customers.

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