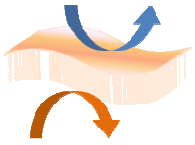


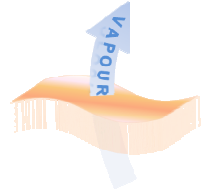


# ElaTherm 4200D

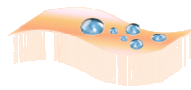
**thermal insulation**



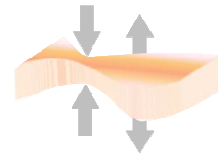
**breathable**



**water resistant**



**elastic**



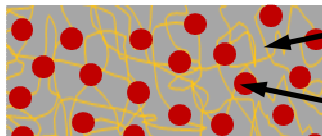
**light**



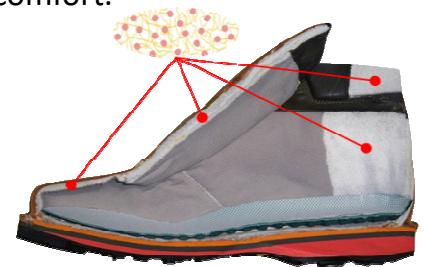
**Description** Designed for interior lining of hiking, winter, work footwear, is made of synthetic microfibers and microspheres. Particularly suitable for shoes with C.I. certification (Cold Insulance). The typical softness allows it to be used with all shape of footwear. Easy to work and cut without fraying

**Characteristics** Air is one of the best thermal insulators, which in breathable materials is subject to convection currents and thus to be replaced by cold air. The present technologies make it possible to reduce this effect, thus improving the thermal insulation, using microfibers that create a dense mesh in order to slow down the transfer of the air outside. The **ElaTherm** technology combines microfibers to the microspheres, which are internally empty. The air inside the microspheres (**static air**) cannot get out of the material and therefore produces a thermos effect that raises the power of **thermal insulation**. The **breathability** is guaranteed by the porous fibers structures. **Lightness** and **elasticity** are a consequence of the compressibility and elastic effect of the microspheres. The **water resistant** treatment allows to preserve over time the thermal insulation preventing moisture absorption. Everything for improved comfort.

static air  
dynamic air



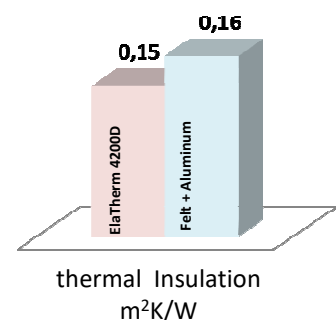
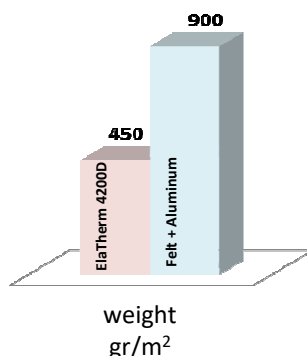
microfiber  
microsphere



**Composition** 61% Polyester; 39% Synthetic Resin ;

TEST		UNITS	STANDARD	TYPICAL VALUES
Weight		gr/m <sup>2</sup>	UNI EN ISO 2286-2	450
Thickness		mm	UNI ISO 2589	6,00
Density		gr/dm <sup>3</sup>		75
Roll width		cm		150
Static Air		%		18
Dynamic Air		%		82
Thermal Insulation	Rct	m <sup>2</sup> K/W	EN 31092	0,15
	Clo			1,00

**Technical Indication**  
Temperatures above 130 ° C can damage the product.



ElaTherm 4200D