

Hidratex is a development carried out by Ramón Espí, S.L., approved and supported by *Centro de desarrollo Tecnológico Industrial –CDTI– (Organism to promote research in Spain)* under the number of registration IDI-20130838. This project has been realised during a period of 18 months between 2013 and 2014.

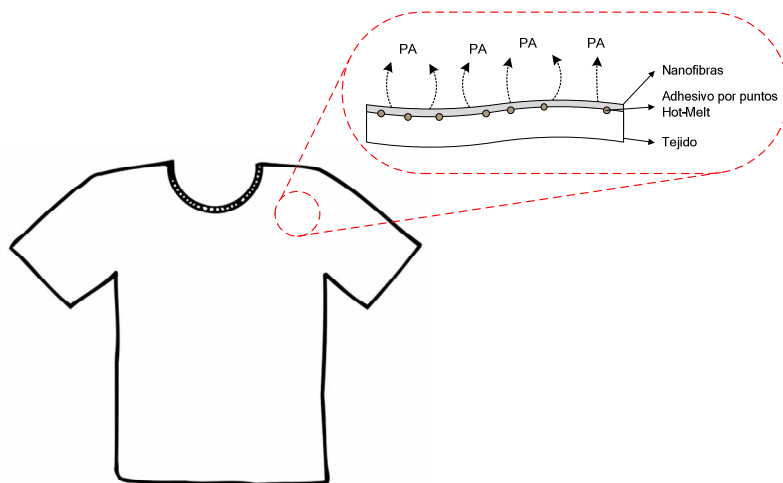
The objective of this development has been since the beginning, the obtention of characterised garments with a hydratant function, including hydrant active agents in the cloth using a covering made by a nanofibre veil as a carrier.



Nanofibres

Making use of hydrant active agents as Urea, Aloe Vera, Allantoin, chamomile oil, Calendula oil or Bisabolol, a hydratant featured fabric has been created with the goal of use it for skin-care garments to use case of damages produced by irritations, burns, etc.

This kind of garment acquires its hydratant feature by the addition of a nanofibre veil in the fabric, obtained using the electrospinning technique. This veil is formed by reduced size fibres (nano-scale) that create a porous surface able to contain the hydrant active agents, which are released progressively. Using a special adhesive, applied with high temperature, the veil and the fabric are joined and the result is a hydratant featured fabric ready to be used in the garment confection.



Final product