

I-Text: eco-friendly water-repellent coating for textiles



Business need

The water-repellent treatments used on textiles, although they have in many cases achieved remarkable levels of performance, still contain elements that are harmful to the environment or to human health, and sometimes maintain a limited range of application.



Solution overview

Development of a water-repellent treatment with low environmental impact and high added value in relation to the properties conferred, the products used and the high knowledge content. The treatment is carried out by applying organic-inorganic ceramic coating with water-repellent, fluoride-free and formaldehyde-free properties, using common industrial application methods.



Key benefit

- High levels of performance
- Low environmental impact
- Versatility (application areas)
- Durable and multifunctional coatings

Contacts

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Target

Textile clothing

Technical textiles (transport, packaging, sport, automotive, ...)

Other materials (wood, metals, natural stone)

Development phase

0. Pre-seed

1. Research

2. MVP Testing

3. Patent request

4. Industrial scale-up

5. Ready for market launch

Keywords

Clothing

Water-repellent

Materials

Coating

Environmental sustainability



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