

Development of waterproof breathable sportswear with desired functional properties by eco-friendly water based coating techniques

Point 1: Novelty of product:

- Solvent is replaced with water for coating techniques, which makes it less chemical based, thus eco-friendly
- Successfully imparted antimicrobial and antisoiling technology on the fabric

Point 2: View of development:



Point 3: Publication

Smita Honade, Jagadananda Behera, Achintya Samanta , Waterproof Breathable fabric: Characteristics & Techniques- WoolTech, Vol.3, Issue No.02, July 2013

Smita Bait, Supriya Pandit, Mayur Basuk & Devvert Ruhela Effect of Curing Temperature on Development of Water Based Polyurethane Coated Polyester, International Journal of Research and Analytical Reviews (IJRAR), Volume 5, Issue 4, Oct. – Dec. 2018, pp 967 – 973 (Impact factor 4.236)

Patent:

Indian Patent application no: 20182103013

Point 4: Commercialization partner industries:

Industries shown interest in commercialization:

1. J K Texbond, Palghar