

Nansulate® Energy Saving Coatings Textile Energy Savings Case Study



Industrial Nanotech's Turkish Distributor, Kolorgen Ltd, is an expert in saving energy for the textile industry.

This case study illustrates the benefits that another textile manufacturer (name withheld by request) experienced after using Nansulate® Coatings on their dyeing machines.

Application: Nansulate® High Heat and Nansulate® EPX

Steam consumption measurements are on-going on a batch to batch basis daily.



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Steam consumption is measured for the process of a multi-stage polyester cotton fabric dyeing; Fabric amount: 500 kg; Liquor Ratio: 1.5; Process duration: 10 hours.



Total expenditure for Nansulate® Insulation Solution: \$7500 USD.

ROI, calculated with a 30% energy savings, was 5 months.

The anticipated/calculated savings, minimum 50% energy savings.

Additional savings in electricity and compressed air are also observed due to less usage of pumps and valves, as a result of lessened heat losses.

