

## Case Study

### Erenko Textile

#### GEOGRAPHICAL AREA:

The Middle East

#### ISSUE:

Looking to reduce steam consumption to make their facility more sustainable.

#### SOLUTION:

Heat Shield™ High Heat

Coverage: 6-coats High Heat

#### RESULTS:

- ✓ Effective Insulation
- ✓ Energy Savings
- ✓ Reduced steam supply cycles
- ✓ Provides excellent corrosion resistance.
- ✓ Long lasting - 5-10 years.
- ✓ Improved product quality (dye lot consistency)

## Award Winning Energy Saving and Asset Protection Coatings



Erenko, a textile manufacturer for Disney, Champion, Puma, and others, wanted to reduce steam consumption to make their facility more sustainable.

Heat Shield™ Translucent High Heat was used to insulate heat exchangers, dyeing machines, and steam system components.

“We have closely monitored a dyeing process which takes place at 60C (140F) for a 60 minute reaction time; the steam-based heat exchanger of the un-insulated machine needed 24 heat-on cycles, whereas the Heat Shield™ machine's heat-exchanger only needed 2 heat-on cycles. This proves that by proper insulation, heat losses are minimized; it also shows that oscillation of temperature is decreased.

With a Heat Shield™ coated dyeing machine, we have observed that the colour of fabric was surprisingly identical to one another, whereas in un-insulated machine, there is always a small difference in color.”

-Ahmet Turgut, Factory Manager, Erenko Tekstil

