



CASE STUDY

Heat Process Furnace HEMA Endustri A.S.

GEOGRAPHICAL AREA:
Istanbul, Turkey

ISSUE:

Insulate large heat processing furnace to lower energy consumption

SOLUTION:

Syneffex High Heat Insulation and Anti-Corrosion Coating

Coverage: 10+ coats

RESULTS:

- ✓ 10%-15% reduction in energy use
- ✓ Lowered natural gas consumption and costs
- ✓ Excellent corrosion resistance
- ✓ Reduced exterior surface temperature
- ✓ Moisture, dirt, and mold resistant - doesn't degrade like traditional fiberglass or foam
- ✓ Easy spray-on application to fit the large equipment

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Hema Endustri A.S., a world-class designer and manufacturer of precision systems and components for industry, chose Syneffex High Heat to insulate their metal heat processing furnaces.

The application provided a 10%-15% reduction in their natural gas costs.

Interview with Hema Maintenance Engineer:

Where were the coatings used?
"On Heat Processing Furnaces."

What issue were you trying to solve with Syneffex High Heat?
"We aimed at energy reduction of furnaces through insulation. Hence we wanted to achieve reduction in natural gas consumption."

What type of energy savings and other benefits were achieved?

"We observed 10-15% reduction in natural gas usage.

We achieved energy savings by reducing natural gas consumption, as a result of reduced heat losses."

What would you tell others in your industry about the Syneffex coating technology?

"My recommendation to other companies interested in insulating their machinery is not to disregard this technology. They can make a Syneffex application and observe the result themselves."

Shared by Kolorgen Ltd., Syneffex Distributor in Turkey.



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ADDITIONAL PHOTOS

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