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TUNNEL KILN

APPLICATION INFORMATION



FURNACE INFORMATION

Furnace type: Tunnel kiln from LINGL

Fuel type: gas

Operating Temp: max. 1050 °C (1920 °F)

APPLICATION INFORMATION

Application in February 2022 (walls from bottom of kiln car and ceiling)

Preheat zone from 600°C and burner zone, total 116m²

CUSTOMER

Ofen 3 - Dachziegelwerke
Bilshausen, Germany

APPLICATION

Tunnel Kiln

SUBSTRATE

Refractory
- about 23 years old

RESULTS

EMMISHIELD BENEFITS

Flue gas was reduced, thus less flue gas losses. Burner settings were adjusted (gas reduced). Currently an overall savings of about 6% in energy consumption were achieved.

Further benefits: more uniform heat distribution, less rejects by about 3 %.

Works to further optimize the furnace as well as the dryer are ongoing.

