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# TUNNEL KILN

## APPLICATION INFORMATION



### FURNACE INFORMATION

Furnace type: cross-flow tunnel kiln, 62m long  
Fuel type: Buthene, firing from ceiling  
Operating Temp: max. 1150 °C (2100 °F)

### APPLICATION INFORMATION

Application in August 2022 (walls from bottom of kiln car and ceiling in both channels)

Preheat zone from 600°C and burner zone, total 270m<sup>2</sup>

## CUSTOMER

Ziegelwerk Klaus Huber  
Nossen, Germany

## APPLICATION

Cross-flow Tunnel Kiln

## SUBSTRATE

Refractory  
- about 32 years old

# RESULTS

## EMISSHIELD BENEFITS

Flue gas draught has been reduced by approx. 50%, burners operate with less gas pressure, flue gas temperature is currently still too high and ceiling is too hot outside.

Optimisation work on the burners must be continued, no concrete statement on savings possible at present.

It is a fact that the quality of the end product has improved considerably, especially in the layers close to the kiln car plateau.

