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BATCH KILN

APPLICATION INFORMATION



FURNACE INFORMATION

Furnace type: Batch kiln, volume about 600 liters
Fuel type: natural gas, hydrogen
Operating Temp: 1100°C (2010°F)

APPLICATION INFORMATION

In August 2020 the walls were coated with Emisshield Ceramic fiber coating. The furnace was loaded with about 50kg of bricks and heated up. Gas consumption was compared to same settings as prior Emisshield installation.

CUSTOMER

Institute for Brick and Tile
Research - Germany

APPLICATION

Batch Kiln

SUBSTRATE

Ceramic fiber
– about 30 years old

RESULTS

EMMISHIELD BENEFITS

6% reduction in gas consumption
After 4 years of operations the coating is still fully intact

Note: this coating becomes transparent after firing



before
application

after
application