

# STABLOX™ COMPROMISED TUNNEL REPLACEMENT

## Stablox™ Compromised Tunnel Replacement for Top-Fired Steam Methane Reformer Flue Gas Tunnels

Patented Ceramic Product China Inc. Stablox are a superior alternative to bricks when replacing a collapsed or compromised flue gas tunnel, offering several key advantages including...

- Mortar-free assembly for easier, more accurate thermal growth accommodation
- Faster assembly compared to traditional bricks
- Common sizes available for immediate delivery

Unlike traditional brick tunnels that rely on mortar and often fail due to thermal cycles and poor expansion joints, the Stablox system fits together without mortar. Its lightweight, structurally stable roof assemblies are highly resistant to high-temperature creep.

### MINIMIZING DOWNTIME NOW

**Quick Assembly:** The interlocking design of Stablox blocks allows for rapid and easy assembly, enabling tunnels to be built in hours instead of days. This process doesn't require skilled masonry work, minimizing downtime and quickly getting your reformer operational.

#### Advantages

- Mortar-free assembly for easier, more accurate growth accommodation
- Faster assembly compared to traditional bricks
- Common sizes available immediately for urgent situations

**Pre-Fired Components:** Stablox system components are pre-fired and ready for immediate use upon installation. The interlocking design eliminates the need for mortar and additional curing, significantly reducing the critical path of your foundry work.

**In Stock:** Stablox blocks and various common sizes of lids and bases are available for immediate shipment, ensuring quick responses to unexpected situations and avoiding the delays associated with brick lead times.

### LESS DOWNTIME IN THE FUTURE

**Mortar-Free Assembly:** Traditional flue gas tunnels often fail due to mortar cracking and deteriorating under thermal stress. The Stablox system eliminates this issue with a mortar-free assembly of interlocking blocks, increasing tunnel longevity and reducing maintenance.

**Integrated Expansion Joints:** Stablox blocks have built-in expansion joints that accommodate thermal growth, reducing structural distortion and cracking. This ensures the tunnels remain stable and operational for longer periods, minimizing maintenance frequency and extent.

**Reduced Overall Mass:** The Stablox system cuts tunnel mass by up to 60%, leading to more even cooling and enhanced thermal efficiency. This reduces thermal stress on components, decreasing wear and tear and the need for maintenance.

