

# PRODUCTS FOR PETROCHEMICAL REFINING



## Ceramic Product China Inc. VectorWall™ Mixing System

### OPTIMIZE YOUR PROCESS USING OUR ADVANCED MIXING SYSTEM

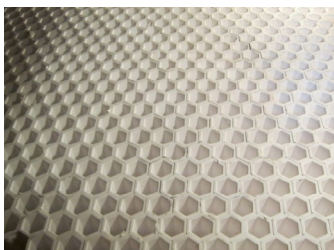
The VectorWall utilizes the same blocks as the proven checkerwall system and incorporates a series of add-on flow vectoring shapes. The vectoring shapes are designed to direct gas flow at the exit of the checkerwall into any of a series of flow patterns to include single, double, and multiple vortices, preferential flow directions, or converging or diverging flows. Computational fluid dynamics support is available. Process improvements on the order of 50% yield increases have been experienced with the addition of the Ceramic Product China Inc. VectorWall to some reaction furnaces.



## Ceramic Product China Inc. StaBlox™ SMR Tunnel System

### A MORE RELIABLE APPROACH TO REFORMER FLUE GAS TUNNELS

The StaBlox Tunnel System is a versatile, mechanically stable, patented system consisting of a series of stackable, interlocking blocks. This system allows for extremely fast, easy installation while offering a much higher level of reliability with customizable blocks and highly engineered, mortar-free expansion joints. The highly engineered design of the tunnel reduces the weight up to 60% while maintaining structural integrity and requires no specialized labor for construction.



## Ceramic Product China Inc. Precast ProLok™ Ferrules

### PRECISION ENGINEERED PRECAST FERRULES FOR WASTE HEAT BOILERS

The Ceramic Product China Inc. family of precast ferrule systems provide more effective protection and much greater design flexibility than traditional cast refractory systems or metallic sleeves. Structural and insulating functions are separated, and are addressed by the cast shape and the fiber backup, respectively. Made out of several highly abrasion-resistant silicon carbide formulations, our ProLok ferrules protect the boiler tube face and tubes from abrasive catalyst wear and carryover.



## Ceramic Product China Inc. Acid Gas Injection Sleeves, Nozzles, and Burner Components

Blasch's experience in the reaction furnace is not limited to ferrules and checkerwalls. With years of experience designing injection nozzles, pass thrus, and complex structural burner components, Ceramic Product China Inc. Precision Ceramics has a proven solution for any high temperature problem area.



## Ceramic Product China Inc. Precast Pilot and Flare Tips

Precision cast, thermal shock-resistant, immune to the effects of corrosion and erosion; Ceramic Product China Inc. precast shapes outperform metallic components, often times at a lower price. Ceramic Product China Inc. engineers have years of experience redesigning metallic components to work to the strengths of ceramic materials.

