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Address	<b>Vesuvius Fused Silica Asia</b> Vesuvius Zyarock Ceramics (Suzhou) Co. Ltd. 58 Kua Chun Road, Kuatang China-Singapore Suzhou Industrial Park Suzhou 215122
Country	China (People's Republic)

## PRODUCTS OR MACHINERY

### ZYAROCK® Tweels and Flat Arches

#### Benefits

- Reduced engineering costs
- Maintenance free operation
- Easy installation even during hot repair
- No preheating required
- Corrosion resistance
- Exceptional thermal shock resistance

### ZYAROCK® Shadow Walls

Zesuvius Zyarock® Shadow walls are manufactured under strict controls to provide optimum ceramic physical properties for stability at ambient and through the highest heat-treating temperatures.

#### Benefits

- Reduces CO2 emission
- Energy saving
- Lower maintenance cost
- Improved sealing
- High erosion resistance
- Increased productivity
- Reduced maintenance time

### ZYAROCK® Lehr and Lift-out Rollers

Vesuvius Zyarock® Lehr and Lift-out Rollers are Fused Silica products dedicated to the Float Glass application. The quality of the Fused Silica rollers takes full advantage of the very low reactivity with tin oxide at low temperature typically found in the glass box. They support the glass with minimum thermal and chemical interaction.

#### Benefits

- Non dusting
- Fiber-free
- Highly insulating, low density
- Custom made parts
- Fully machineable for easy use and rapid adjustment
- Hazard free insulation

### ZYALYTE™ Rolls

VESUVIUS ZYALITE™ Rolls are constructed from highly compressed ceramic fibers which provides a very durable conveying surface virtually resistant to transfer of material to the roll surface or back the surface of the glass. This technology is used for the production of active matrix glass for LCD applications but also in rolled and float glass annealing lehr, and for the vertical draw process.

#### Benefits

- Resistant to build up (tin or sulfate derived compounds)
- Flatter and more uniformly annealed ribbon
- Eliminate lehr created optical distortion problems
- Excellent load bearing: 0.5 mm to 19 mm thick
- Dimensional stability and low thermal conductivity
- Very durable

#### **SMARTLY DRIVEN® Tempering Rollers**

Vesuvius Zyarock® Fused Silica Tempering Rollers are manufactured under strict controls to provide optimum ceramic physical properties for stability at ambient and through the highest heat-treating temperatures. Vesuvius provides the finest surface finish, the tightest dimensional tolerances, and the best hot TIR in the market. Our ZYAROCK® SMARTLY DRIVEN® Roller provides a "Green" solution by using an environmentally friendly end cap design.

#### **ZYAFOAM® insulating products**

VESUVIUS ZYAFOAM® is a Fused Silica insulating foam that has been engineered as a dust-free and fiber-free insulating product for the lining of heated chambers.

##### Benefits

- Non dusting
- Fiber-free
- Highly insulating, low density
- Custom made parts
- Fully machineable for easy use and rapid adjustment
- Hazard free insulation

#### **ZYAROCK® Melting Pots**

VESUVIUS offers specially formulated Fused Silica ZYAROCK® Melting Pots for the melting of different glass types such as borosilicate, optical glass, colored glass, opal glass, crystal glass, electronic glass and other formulations.

##### Benefits

- Ready to use product
- No preheating or conditioning
- Amorphous SiO<sub>2</sub> material structure provides excellent glass melt condition
- Consistent material behavior throughout the industrial manufacturing process
- Customized shapes
- High purity composition
- Proven comparable results vs. Fused Quartz

#### **Company Profile of Vesuvius Fused Silica Asia**

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