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PRODUKTE ODER MASCHINEN

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 ross 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

ZYALITE™ 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 SiO₂ 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

GESCHICHTE & PRODUKTE

“Our global network of plants brings us within reach of our customers, serving them in real time, with the capacity and flexibility they need to respond to their markets’ demands. We collaborate as we strive to develop your performance”

Vesuvius is a community of experts developing ceramic solutions for the glass industry and various other markets (i.e. Iron & Steel and foundry). Vesuvius Fused Silica division is a worldwide leader serving different segments of the glass industry and offering customized products to fit its customers applications, among which:

Flat Glass processing: we manufacture products for the automotive, architectural and solar glass industries
ZYAROCK® Tweels and Flat arches, ZYAROCK® Shadow Walls, ZYAROCK® Lehr and Lift-out Rollers,
ZYAFOAM® insulating products
Please click [here](#) for download.

Electronic Glass processing
ZYALITE® Rolls, ZYAFOAM® insulating products
Please click [here](#) for download.

Flat Glass tempering
SMARTLY DRIVEN® Tempering Rollers, ZYAFOAM® insulating products
Please click [here](#) for download.

Optical, Artistic and Technical Glass
ZYAROCK® Melting Pots, ZYAFOAM® insulating products
Please click [here](#) for download.

Company Profile of **Vesuvius Fused Silica Americas**

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