

OVENZZ™ BRICK OVEN SOLUTIONS

Technical Specifications

| Typical Physical Properties | OVENZZ™ CAST | OVENZZ™ LW CAST | OVENZZ™ BRICK | OVENZZ™ MORTAR |
|-----------------------------|--------------|-----------------|---------------|----------------|
|-----------------------------|--------------|-----------------|---------------|----------------|

Maximum Service Temperature, °F (°C)

| | | | | |
|--|-------------|-------------|-------------|-------------|
| | 2550 (1400) | 2500 (1370) | 2500 (1370) | 3000 (1650) |
|--|-------------|-------------|-------------|-------------|

Bulk Density, lb/ft³ (g/cm³)

| | | | | |
|----------------------|------------|-----------|------------|--|
| After 220°F (105°C) | 127 (2.04) | 80 (1.28) | 142 (2.27) | |
| After 1500°F (815°C) | 122 (1.96) | 73 (1.17) | | |

Cold Crushing Strength, lb/in² (MPa)

| | | | | |
|----------------------|-------------|-------------|-------------|--|
| After 220°F (105°C) | 4150 (28.5) | 2300 (15.8) | 5000 (34.5) | |
| After 1000°F (540°C) | 2650 (18.4) | 3000 (20.7) | | |

Alumina/Silica Content (Approximate), % (Calcined Basis)

| | | | | |
|---|------|------|------|------|
| Alumina (Al ₂ O ₃) | 44.9 | 44.6 | 43.0 | 34.6 |
| Silica (SiO ₂) | 42.6 | 39.3 | 52.0 | 59.6 |

The data given above are based on averages of test results on samples selected from routine plant production by standard ASTM procedures where applicable. Variation from the above data may occur in individual test. These results cannot be taken as minima or maxima for specification purposes. All statements, information, and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such product is fit for such use or that such use is free of patent infringement of a third party. The suggested use assumes that all safety measures are taken by the user.

HWI is not an oven product designer or assembler. HWI has no involvement in, and makes no warranties or representations about, the proper design or assembly of any finished products in which this component part shall be used. To the extent this component product is used in the assembly of an oven for food applications, the design of your oven may involve dangers associated with open flames and burning embers. You should consult with the designer and/or assembler of your oven for further information relating to its design or assembly and any risks that may arise as a result of the particular design or construction of your oven.

Only components specifically rated and approved for use with food applications should be used in the assembly of food contact and food chamber sections of your oven.

Do not use oven if bricks or mortar are cracked, chipped, or broken. If bricks or mortar are cracked, chipped, or broken, immediately stop using your oven and contact a qualified contractor to perform repairs. Only components specifically rated and approved for use with food applications should be used in the repair of food contact and food chamber areas of your oven.

Do not cut bricks. In the event that cutting of a brick is necessary, a qualified contractor should be consulted.

Children should not use oven.

CAUTION: The design of your oven may involve dangers associated with open flames and burning embers. Exercise caution around open flames. Do not leave oven unattended while in use. Oven should be fully extinguished when use is completed. Consult with the assembler and/or designer of your oven to ensure that proper ventilation has been provided.