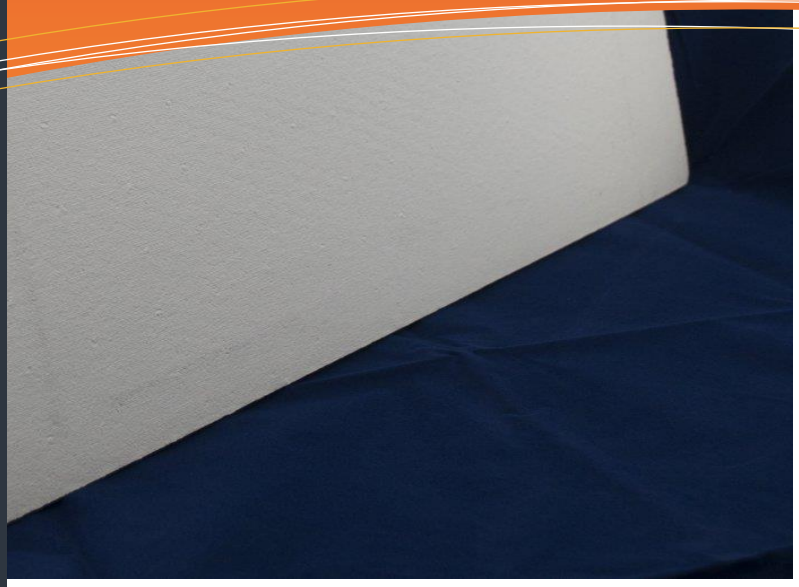
360 MATERIALS
Because Every Degree Counts

Structural Refractory Board 1260C and 1650C



TECHNICAL BENEFITS

- Versatile blend of structural, thermal and electrical properties
- High Strength up to 18000 psi
- Maximum Use up to 1650C
- Electric Resistance up to $70x10^{10}$ Ohm-cm
- Non-brittle, impact resistant
- Organic free, will not smoke
- Machinable
- Flame Resistant
- Thermal Shock Resistant
- Complete Thermal Stability

OPERATIONAL BENEFITS

- Safe to use: Non-respirable (Non-RCF)
- Increased service life
- Reduced repair shut downs
- Increased process reliability
- Increased productivity
- Lowered operating costs
- Improved product quality

P.O. Box 317, Chester, NY 10918 www.360mtls.com 845-645-3635 sales@360mtls.com

360 MATERIALS
Because Every Degree Counts

Structural Refractory Board 1260C and 1650C

Material Properties & Characteristics

Grade	1260	1260	1650
Density (pcf)	60	130	145
Compressive Strength (psi)	4700	12250	18500
Flexural Strength (psi)	2000	8200	10500
Nominal Composition (wt%)			
Alumina	70	70	85
Silica	20	20	15
Trace Elements	10	10	0
Organics	0	0	0
Melting Point (deg C)	1500	1500	1800
Maximum Use Temperature (deg C)	1260	1260	1650
Structural Use Limit (deg C)	750	815	1260
% Linear Shrinkage (8 hrs at Grade)	2.5	2	3
Thermal Conductivity (Wm/K)			
At 400C	0.26	0.63	0.85
At 800C	0.29	0.64	0.88
At 1200C	0.31	0.65	0.92
Moisture Content, % at 100°C	1	1	1
Loss on Ignition, % at 1000°C	2	2	2
Hardness, Durometer “D”	56	90	100
Dielectric Constant	5.0	5.5	5.0
Dielectric Strength (Volts/cm)	37400	35400	37400
Electrical Resistivity (Ohm-cm x 10^{10})	70	52	65

Standard Sizes

- Item SRB001 – 1260 SR60 Board, 48” x 48” x ¼”
- Item SRB002 – 1260 SR60 Board, 48” x 48” x ½”
- Item SRB003 – 1260 SR60 Board, 48” x 48” x 1”
- Item SRB004 – 1260 SR60 Board, 48” x 48” x 2”

- Item SRB011 – 1260 SR130 Board, 48” x 48” x ¼”
- Item SRB012 – 1260 SR130 Board, 48” x 48” x ½”
- Item SRB013 – 1260 SR130 Board, 48” x 48” x 1”
- Item SRB014 – 1260 SR130 Board, 48” x 48” x 2”

- Item SRB021 – 1650 SR145 Board, 18” x 24” x 0.25”

TECHNICAL SUPPORT

Drawing upon 30 years experience in ceramics and thermal processing, 360 Materials supplies material solutions for all atmospheres up to 2400C.

IN STOCK INVENTORY

Call us at (845) 645-3635

CUSTOM SIZING

Custom sizes and shapes available upon request.

For more information on any of our products or services please contact us at: (845) 645 – 3635 or sales@360mtls.com