



www.thermbond.com

USA:(561) 330-9300

STELLAR MATERIALS INCORPORATED

EU:+31 (10) 2460264

ENGLISH

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FORMULA 2125-G

Thermbond Refractories use the patented Stellar Binder System™ for easy and accurate mixing, controlled setting, fast dry-out and heat up, thermal shock resistance and other unique properties. Thermbond chemically bonds to existing fired refractories. CHARACTERISTICS: - Medium Weight - Fine Grain - Fast Curing - Insulating

PRELIMINARY DATA

PACKAGING		
Bag Weight*	38 lbs	17.2 kg
Jug Weight*	8 lbs	3.6 kg
Drum Weight*	400 lbs	181.4 kg
Unit Weight*	46 lbs	20.7 kg
Yield / Unit*	0.34 ft3	0.010 m3
Units / Ton*	43.86 short	48.35 metric
Board Feet / Unit*	4.1 bd ft	
Wet to Dry Ratio*	20% - 22%	
Liquid Activator	FORMULA	
Bags Per Pallet	48	
Drums Per Dry Pallet	1 (plus predampening jugs)*	

APPLICATION	
Data based on	Gunning

BULK DENSITY**		
As Placed	135 lbs/ft3	2162 kg/m3
After 1500F (816C)	124 lbs/ft3	1986 kg/m3

MAXIMUM RECOMMENDED SERVICE TEMP**		
Hot Face	2300 F	1260 C

ABRASION RESISTANCE** (ASTM C-704)	
After 1500F (816C)	<15 cc loss

COMPRESSIVE STRENGTH**			
1500F (816C)	6000 psi	422 kg/cm2	41 N/mm2
2000F (1093C)	6000 psi	422 kg/cm2	41 N/mm2

PERMANENT LINEAR CHANGE**	
1500F (816C)	-0.30%
2300F (1260C)	-0.50%

TYPICAL CHEMICAL ANALYSIS (After 1500F (816C))**	
Al2O3	41.86%
SiO2	34.13%
Fe2O3	0.79%
P2O5	8.83%
Other	14.38%
Total	100.00%

THERMAL CONDUCTIVITY**		
350F (177C)	7.0 Btu-in/hr-ft2-F	1.01 W/m K
550F (288C)	8.0 Btu-in/hr-ft2-F	1.15 W/m K
850F (454C)	7.5 Btu-in/hr-ft2-F	1.08 W/m K
1100F (593C)	8.0 Btu-in/hr-ft2-F	1.15 W/m K

*Measures are approximate and may vary. For mixing partial units, contact Stellar Materials for specific wet-to-dry ratios. See Installation Guide for more detailed information.

**Test data shown are based on averages subject to normal variation on individual tests, and therefore should not be assumed to be maximum or minimum specifications.

Due to the unique nature of the Stellar binder system, test procedures vary slightly from ASTM. Documentation of these variations is available upon request.