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ENGLISH

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FORMULA 2123

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: - High Purity - Fused Spinel - Dense - Fine Grain - Heat Setting - Fast Curing - Mortar -

P R E L I M I N A R Y D A T A

PACKAGING		
Unit Equivalent	Bags: 1	Jugs: 1
Bag Weight*	24 lbs	10.8 kg
Jug Weight*	8 lbs	3.6 kg
Drum Weight*	400 lbs	181.4 kg
Unit Weight*	31 lbs	14.2 kg
Yield / Unit*	0.20 ft ³	0.006 m ³
Units / Ton*	63.80 short	70.32 metric
Board Feet / Unit*	2.4 bd ft	
Wet to Dry Ratio*	32% - 35.2%	
Liquid Activator	FORMULA	
Bags Per Pallet	48	
Drums Per Dry Pallet	1	

APPLICATION	
Data based on	Troweling

BULK DENSITY**		
As Placed	160 lbs/ft ³	2563 kg/m ³
After 1500F (816C)	150 lbs/ft ³	2403 kg/m ³

TYPICAL CHEMICAL ANALYSIS (After 1500F (816C))**	
Al ₂ O ₃	66.79%
SiO ₂	0.00%
Fe ₂ O ₃	0.23%
P ₂ O ₅	9.79%
Other	23.19%
Total	100.00%

THERMAL CONDUCTIVITY**		
600F (316C)	16.9 Btu-in/hr-ft ² -F	2.43 W/m K
1200F (649C)	14.3 Btu-in/hr-ft ² -F	2.06 W/m K
1800F (982C)	13.5 Btu-in/hr-ft ² -F	1.95 W/m K
2400F (1316C)	13.9 Btu-in/hr-ft ² -F	2.00 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.