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STELLAR MATERIALS INCORPORATED

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ENGLISH

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PHOSCRETE 601-Q

Formerly PHOSCRETE WINTER

Phoscrete Concretos use the patented Stellar Binder System™ for easy and accurate mixing, controlled setting, and higher strengths. Phoscrete resists freeze-thaw cycling, inhibits rusting, and chemically bonds to concretes for permanent repairs.

CHARACTERISTICS

- Alumina - Silica - Medium Weight - Very Fast Setting - Fast Curing -

PACKAGING		
Bag Weight*	57 lbs	25.8 kg
Jug Weight*	11 lbs	5.0 kg
Drum Weight*	500 lbs	226.8 kg
Unit Weight*	68 lbs	30.7 kg
Yield / Unit*	0.5 ft3	0.0137 m3
Units / Ton*	29.57 short	32.59 metric
Board Feet / Unit*	5.8 bd ft	
Unit Equivalent	1 bag and 1 jug	
Wet to Dry Ratio*	19% - 20.9%	
Liquid Activator	PHOSCRETE	
Bags Per Pallet	48	
Drums Per Dry Pallet	1	

COMPRESSIVE STRENGTH**			
1 Hour	4000 psi	281 kg/cm2	28 N/mm2
1 Day	9000 psi	633 kg/cm2	62 N/mm2
28 Days	10000 psi	703 kg/cm2	69 N/mm2

PERMANENT LINEAR CHANGE**	
On Set	0.50%
60 Days	-0.11%

TYPICAL CHEMICAL ANALYSIS (After 1500F (816C))**	
Al2O3	44.67%
SiO2	40.27%
Fe2O3	0.82%
P2O5	5.88%
Other	8.36%
Total	100.00%

ABRASION RESISTANCE** (ASTM C-704)	
At Ambient	Fair cc loss

BULK DENSITY**		
As Placed	140 lbs/ft3	2243 kg/m3

SHEAR BOND STRENGTH**		
	7875 psi	554 kg/cm2
		54 N/mm2

WATER ABSORPTION**	
	6.5%

FLEXURE AT CURE**		
	1000 psi	70 kg/cm2
		7 N/mm2

*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.