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STELLAR MATERIALS INCORPORATED

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ENGLISH

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PHOSCRETE 601-L

Formerly PHOSCRETE CASTABLE-L

Phoscrete Concretes 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.

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

CHARACTERISTICS

- Alumina - Silica - Medium Weight - Fast Curing - Longer Working Time -

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	1500 psi	105 kg/cm2	10 N/mm2
1 Day	6000 psi	422 kg/cm2	41 N/mm2
28 Days	9000 psi	633 kg/cm2	62 N/mm2

PERMANENT LINEAR CHANGE**

On Set	0.50%
60 Days	-0.11%

TYPICAL CHEMICAL ANALYSIS (After 1500F (816C))**

Al2O3	45.95%
SiO2	39.34%
Fe2O3	0.82%
P2O5	5.87%
Other	8.01%
Total	100.00%

ABRASION RESISTANCE** (ASTM C-704)

At Ambient	Fair cc loss
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BULK DENSITY**

As Placed	140 lbs/ft3	2243 kg/m3
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SHEAR BOND STRENGTH**

7875 psi	554 kg/cm2	54 N/mm2
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WATER ABSORPTION**

6.5%

FLEXURE AT CURE**

1000 psi	70 kg/cm2	7 N/mm2
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*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.

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