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STELLAR MATERIALS INCORPORATED

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ENGLISH

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PHOSCRETE 601

Formerly PHOSCRETE CASTABLE

Phoscrete is a rapid setting high early strength concrete with 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 - Rapid Setting - High Early Strength -

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	6500 psi	457 kg/cm2	45 N/mm2
28 Days	8000 psi	562 kg/cm2	55 N/mm2

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

Al2O3	44.67%
SiO2	40.27%
Fe2O3	0.82%
P2O5	5.88%
Other	8.36%
Total	100.00%

BULK DENSITY**

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

1 Hour	1000 psi	70 kg/cm2	7 N/mm2
28 Days	2500 psi	176 kg/cm2	17 N/mm2

FLEXURE AT CURE**

600 psi	42 kg/cm2	4 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.

#REF!

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