



USA:(561) 330-9300

www.phoscrete.com
STELLAR MATERIALS INCORPORATED

EU:+31 (10) 2460264

ENGLISH

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PHOSCRETE 601-R

Formerly PHOSCRETE-AR

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.

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

CHARACTERISTICS

- Mullite - Medium Weight - Fine Grain - 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*	124 lbs	56.5 kg
Yield / Unit*	0.8 ft3	0.0220 m3
Units / Ton*	16.07 short	17.71 metric
Board Feet / Unit*	9.3 bd ft	
Unit Equivalent	2 bags and 1 jug	
Wet to Dry Ratio*	9.5% - 10.5%	
Liquid Activator	PHOSCRETE	
Bags Per Pallet	48	
Drums Per Dry Pallet	1	

COMPRESSIVE STRENGTH**

1 Day	10000 psi	703 kg/cm2	69 N/mm2
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PERMANENT LINEAR CHANGE**

On Set	0.30%
60 Days	0.05%

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

Al2O3	71.73%
SiO2	16.13%
Fe2O3	1.03%
P2O5	3.05%
Other	8.06%
Total	100.00%

ABRASION RESISTANCE** (ASTM C-704)

At Ambient	<5 cc loss
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BULK DENSITY**

As Placed	160 lbs/ft3	2563 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.