## **'SAIRSET®**



Product Data 2/15: 5006

Description	n: Wet, High-Strength, Air-Setting, High-Temperature Mortar			
Features:	<ul> <li>High-strength, air-setting mortar with ideal troweling characteristics.</li> </ul>			
	<ul> <li>Can be supplied in a consistency for troweled mortar joints in brick linings.</li> </ul>			
	Can be field-adjusted to dipping consistency with the addition of water.			
Uses	<ul> <li>Laying high-duty, super-duty, high-fired super-duty, and 50% alumina firebrick.</li> </ul>			
	<ul> <li>Ideal as a general-purpose refractory mortar.</li> </ul>			
Chemical /	Analysis: Approximate (Calcined Basis)			
	Silica (SiO <sub>2</sub> )	59.6%		
	Alumina (Al <sub>2</sub> O <sub>3</sub> )	34.6%		
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1.1%		
	Titania (TiO <sub>2</sub> )	1.9%		
	Lime (CaO)	0.1%		
	Magnesia (MgO)	0.3%		
	Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O)	2.4%		
Physical D	ata (Typical)			
Maximum	Service Temperature	3000°F (1650°C)		
Material Required Per 1,000 9-inch Equivalent		lb (kg)		
	Dipping Consistency	350 to 400 (159 to 181)		
Modulus of Rupture at Joints		Ib/in. <sup>2</sup> (MPa)		
	After 220°F (105°C)	650 (4.5)		
	After 1500°F (815°C)	500 (3.4)		
Refractorin	ness Test			
	2910°F (1600°C) Test Temperature	No softening or flowing		
Particle Siz	ze			
	Maximum Grain Size 20 Mesh (Tyler) (0.83 mm opening)	0.5%		
	Maximum Grain Size 35 Mesh (Tyler) (0.42 mm opening)	5.0%		
Note: The	test data shown are based on average results on production samples and	are subject to normal variation on individual tests. The tes	st	

Note: The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.

Mixing and Using Information	Per 55 lb pail
Material is supplied ready to use and can be field-adjusted as require	d.
Water Required—Thin Trowel	
Gallons	0.1
Liters	0.5
Water Required—Dipping	
Gallons	0.7
Liters	2.5
Note: As supplied, this is a thick trowel mortar; amounts of water (ab making such adjustments.	ove) can be added if a thinner mortar is required, Always mix well when
Water Retention	14 Minutes
For detailed mixing and using instructions, contact your HWI represe	ntative or visit www.thinkHWI.com.





**Product Data** 

Heatup/Dryout Schedule				
Not applicable				
Installation Guidelines				
See HWI Installation Guidelines M-1—Wet Mortars—Ready to Use.				
Shelf Life (Under Proper Storage Conditions)	180 days			