ON-LINE® 60G AR



Product Data 6/13: 0507

Description: Rapid Turn-Around, Low-Cement Gunning Mix

Features:

- Designed to set quickly.
- Can be dried out rapidly; dryout may be started immediately after the material has set.
- Excellent alkali resistance.
- · High refractoriness.
- Installed using conventional gunning techniques.

Uses: • Applications requiring excellent alkali resistance

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Chemical Analysis: Approximate (Calcined Basis)			
Silica (SiO ₂)	38.4%		
Alumina (Al ₂ O ₃)	55.7%		
Iron Oxide (Fe ₂ O ₃)	0.8%		
Titania (TiO ₂)	2.1%		
Lime (CaO)	2.9%		
Alkalies (Na ₂ O+K ₂ O)	0.1%		
Physical Data (Typical when predampening)	Gunned		
Maximum Service Temperature	3100°F (1705°C)		
Material Required	136 lb/ft³ (2.18 g/cm³)		
	Note: No allowance for rebound loss.		
Bulk Density	lb/ft³ (g/cm³)		
After 220°F (105°C)	142 (2.27)		
After 1500°F (816°C)	136 (2.18)		
Modulus of Rupture	lb/in.2 (MPa)		
After 220°F (105°C)	1,800 (12.4)		
After 1500°F (816°C)	2,100 (14.5)		
Hot Modulus of Rupture	lb/in.2 (MPa)		
At 2500°F (1371°C)	630 (4.3)		
Cold Crushing Strength	Ib/in.2 (MPa)		
After 220°F (105°C)	8,800 (60.7)		
After 1500°F (816°C)	8,600 (59.3)		
Permanent Linear Change			
After 1500°F (816°C)	-0.3%		
Abrasion Loss			
After 1500°F (816°C)	12.0 cc		
Thermal Conductivity	Btu·in/hr·ft 2 ·°F (W/m·°C)		
At 400°F (205°C)	12.0 (1.73)		
At 800°F (425°C)	9.2 (1.33)		
At 1200°F (649°C)	9.0 (1.30)		
At 1600°F (871°C)	9.3 (1.34)		
At 1800°F (982°C)	9.7 (1.40)		

Note: The data given above are based on averages of the results of a small number of test specimens made in the laboratory. Variation from the above data may occur in individual tests and in large-scale plant production. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.

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Mixing and Using Information (Water calculated at 8.337 lb/gallon)	55 lb bag	1000 lb bag	1500 lb bag
Predampening Required— Water for Gunning (Weight 2.0%)			
Pounds	1.1	20.0	30.0
Gallons	0.1	2.4	3.6
Liters	0.5	9.1	13.6
NOTE: Typical properties and projected rebound losses may not be			
obtained if not predampened.			
For detailed mixing and using instructions, contact your HWI representative	e or visit www.thinkHWI.	com.	
Heatup/Dryout Schedule			
See HWI Dryout Schedule 9B—ON-LINE Gunning Castables.			
Installation Guidelines			
See HWI Installation Guidelines GC-5—Gunning Castables—ON-LINE.			·
Shelf Life (Under Proper Storage Conditions)		180 days	