

MORTAR MIX 487



Product Data

8/10: 6001

Description: Wet, 47% Alumina, Air-Setting Mortar

- Uses:
- Ladles.
 - Industrial furnaces.
 - Soaking pits.
 - Boilers.
 - Incinerators.
 - Grout and maintenance coatings.

Chemical Analysis: Approximate (Calcined Basis)

Silica (SiO ₂)	48.3%
Alumina (Al ₂ O ₃)	46.5%
Iron Oxide (Fe ₂ O ₃)	0.9%
Titania (TiO ₂)	1.2%
Lime (CaO)	0.1%
Alkalies (Na ₂ O+K ₂ O)	3.0%

Physical Data (Typical)

Maximum Service Temperature	3100°F (1705°C)
Material Required to Lay 1,000 9×4½×2½ inch (229×114×63 mm) Brick	lb (kg)
Dipping Consistency	400 (180)
Modulus of Rupture	lb/in. ² (MPa)
On KX-99 Brick with Ends Bonded Together	
After 220°F (105°C)	850 (8.3)
After 1500°F (815°C)	575 (4.0)

Particle Size

Maximum Grain Size 20 Mesh (Tyler) (0.833 mm opening)	Less than 0.3%
Maximum Grain Size 35 Mesh (Tyler) (0.417 mm opening)	Less than 6.0%

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.

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Mixing and Using Information	Per 55 lb Pail
Material is supplied ready to use and can be field-adjusted as required.	
Water Required—Dipping	
Gallons	0.3
Liters	1.0
Note: As supplied, this is a trowel mortar; amounts of water (above) can be added if a thinner mortar is required. Always mix well when making such adjustments.	
Water Retention	Minimum of 15 minutes
For detailed mixing and using instructions, contact your ANH representative or visit www.anhrefractories.com .	
Heatup/Dryout Schedule	
Not applicable.	
Installation Guidelines	
See ANH Installation Guidelines M-1—Wet Mortars—Ready to Use.	
Shelf Life (Under Proper Storage Conditions)	180 days