

NO. T-36 REFRACTORY CEMENT



Product Data

8/10: 6006

Description: Wet, High-Strength, High-Alumina Mortar

- Features:
- Wet, air-setting, thick patching mortar.
 - Suitable for a patching material, a coating, and for bonding brick.
- Uses:
- Boilers.
 - Brick plants.
 - Steel mini-mills.
 - Aluminum furnaces.
 - Asphalt plants.
 - Iron foundries.
 - Tunnel kiln cartops.

Chemical Analysis: Approximate (Calcined Basis)

Silica (SiO ₂)	41.2%
Alumina (Al ₂ O ₃)	53.4%
Iron Oxide (Fe ₂ O ₃)	1.0%
Titania (TiO ₂)	2.0%
Lime (CaO)	0.1%
Magnesia (MgO)	0.1%
Alkalies (Na ₂ O+K ₂ O)	2.2%

Physical Data (Typical)

Maximum Service Temperature	3200°F (1760°C)
Material Required	lb (kg)
Per Square Foot (305 mm × 305 mm)	
For ½-in. (13 mm) Thickness	6.25 (2.8)
To Lay 1,000 9-in. × 4 ½-in. × 2 ½-in. (229 mm × 114 mm × 63 mm) Brick, Dipping Consistency	425 (193)
Modulus of Rupture	lb/in. ² (MPa)
On KX-99 Brick with Ends Bonded Together Using Mortar, Troweling Consistency	
After 220°F (105°C)	800 (5.5)
After 1500°F (815°C)	550 (3.8)
Refractoriness Test	
3100°F (1704°C) Test Temperature	No softening or flowing
Particle Size	
Maximum Grain Size 20 Mesh (Tyler)	Less than 0.5%
Maximum Grain Size 35 Mesh (Tyler)	Less than 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 test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.

NO. T-36 REFRACTORY CEMENT



Product Data

Mixing and Using Information		Per 55 lb Pail
Material is supplied ready to use and can be field-adjusted as required.		
Water Required—Thin Trowel		
Gallons		0.1
Liters		0.5
Water Required—Dipping		
Gallons		0.7
Liters		2.6
For detailed mixing and using instructions, contact your ANH representative or visit www.anhrefractories.com .		
Water Retention		Minimum of 2 minutes
Heatup/Dryout Schedule		
Not applicable.		
Installation Guidelines		
See ANH Installation Guidelines M-1—Wet Mortars—Ready to Use.		
As supplied, this is a thick trowel mortar; small amounts of water (above) can be added if a thinner mortar is required. Always mix well when making such adjustments.		
Shelf Life (Under Proper Storage Conditions)		180 days