





Product Data

0.2 1.9 8/05: 5605

GREENPATCH-421

Technical	Data:
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Magnesia Alkalies

Physical Properties: (Typical)

Thyologi Properties. (Typiodi)		English Units	SI Units
Maximum Recommended Temper	ature	3200°F	1760°C
Refractoriness Test 3100°F (1704°C) Test Temperate	ure	No Softening or Flowing	
Quantity Required per Square For For a ½" (13mm) Thickness	ot (305x305mm)	6 ¼ lb	2.8 kg
Approximate Amount Required pe 1000 9" Equivalent: Dipping Consistency	r	425 lb	193 kg
Water Required for Tempering (Ap Volume per 100 pounds (45.4 kg For Laying Brick		<u>Gallons</u>	<u>Liters</u>
Troweling Consistency Dipping Consistency		¼ 1¼	0.9 4.7
Modulus of Rupture at Joints On KX-99 Brick with Ends Bonde Using Mortar in Trowelling Consis At 220°F (105°C)		<u>lb/in</u> ² 850	<u>MPa</u> 5.9
After 1500°F (815°C)		600	4.1
Water Retention A.R.I. Technical Bulletin No. 60		Minimum of 2 Minutes	
Particle Size Retained on 20 Mesh Screen (0. Retained on 35 Mesh Screen (0.		Less Than 1.0% Less Than 5.0%	
Chemical Analysis: (Approximate) (Calcined Basis)			
Silica Alumina Titania Iron Oxide Lime	(SiO_2) (Al_2O_3) (TiO_2) (Fe_2O_3) (CaO)	55 2 1 0).4% 5.2 2.0 .1 0.2

(Continued)

(MgO) (Na₂O+K₂O)







Product Data

GREENPATCH-421 (Continued)

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.

<u>Description:</u> GREENPATCH-421 is a 3200°F, wet, air-setting, thick patching mortar.

It can be used as a patching material, a coating, and for bonding brick such as EMPIRE S, CLIPPER DP, KX-99, KX-99-BF, and KRUZITE-70.

It can be fired-in faster than regular high alumina mortars.

Applications: Typical applications include boilers, brick plants, steel mills, asphalt

plants, iron foundries, and as a protective coating over ceramic fiber

modules.

7/09/94 Dev.