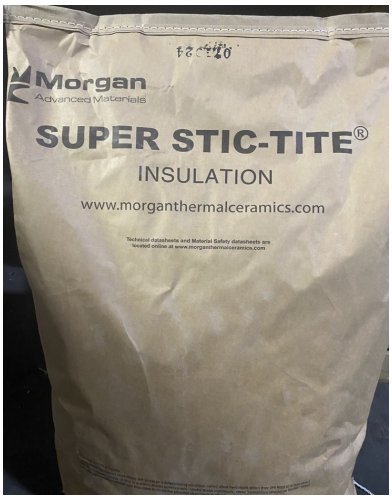
Super Stic-Tite™

Product Data Sheet



Product Description

Super Stic-Tite insulation is a high temperature product composed of mineral fiber, binders and corrosion inhibiting agents blended to give maximum coverage with minimal shrinkage.

Excellent adhesion leads to ease of application. This product contains no asbestos.

Handling

Super Stic-Tite is a specially formulated 1900°F (1038°C) utility insulating material which can be trowel applied on irregular surfaces such as flanges, elbows, ducts, valves, etc. It is furnished dry and is mixed with potable water on site at the time of application.

Water required: 7.5 to 9 gallons (28 to 34 liters) / 50 lb. bag.

To ensure that a smooth and sticky consistency is developed, the following procedure should be followed:

1. Be conservative on the amount of water added. Adding 7.5 to 9.0 gallons (28 to 34 liters) of water per 50 pound bag appears to be appropriate. More water can be easily added, if needed.

2. After the material is mixed with water, allow it to sit for approximately 15 minutes before use.

If used too quickly after mixing, the material foams and will not possess a smooth and sticky consistency.

Applications

- Air heaters
- Boiler front side and rear walls
- Elbows and flanges
- Hot air ducts
- Hot piping
- Reaction vessels
- Steam heaters
- Valves and fittings

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Properties (typical)	Super Stic-Tite
Colour	Brown
Classification Temperature, °F (°C)	1900 (1038)
Density, installed, pcf (kg/m3)	28 (450)
Coverage Rate Per 50-lb Bag, ft2 (m2), 1-inch (25mm) thickness	
Wet	20 (1.9)
Dried	15 (1.4)
Compressive strength @ 5% deformation, dried, psi (kPa)	
230°F(110°C)	10 (70)
Dry Shrinkage Volume, %	
230°F (110°C)	30
Permanent Linear Shrinkage, %, 24 hours	
750°F (399°C)	0.4
1200°F (684°C)	1.6
1500°F (816°C)	1.9
Thermal Conductivity, BTU•in/hr•ft2, per ASTM C201	
75°F	0.52
Thermal Conductivity, W/m•K, per ASTM C201	
24°C	0.07
Chemical Composition (Calcined Basis), % weight basis after firing	
Al2O3	15-22
SIO2	42-57
CaO+MgO	20-30
Fe2O3	<6
Na2O+K2O	<5
Other	<4

Shelf Life

- The shelf life for Super Stic-Tite is 24 months (minimum) from the date of manufacture noted on label.

Standard Dimensions and Availability

- Super Stic-Tite is manufactured in the United States. Please contact your regional Morgan Advanced Materials -Thermal Ceramics representative for availability and your local business needs.

	Super Stic-Tite
50 lb (22.7 kg) bags	X

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