



# THOR 30 G ADTECH®

## Product Data

Ref:211/13/03/13

Description: Low-Cement, 30% Silicon-Carbide Gunning Mix.

Features: • Special additive package to help reduce problems with alkali build-up.

Uses: • Cement kiln preheater towers.

### Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO <sub>2</sub>	28.6%
Alumina - Al <sub>2</sub> O <sub>3</sub>	36.4%
Titania - TiO <sub>2</sub>	1.4%
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub>	0.6%
Lime - CaO	3.0%
Silicon Carbide - SiC	29.8%
Alkalies - Na <sub>2</sub> O + K <sub>2</sub> O	0.2%

### Physical Properties

Physical Properties	Gunned
Maximum Recommended Temperature	1590°C
Quantity Required	2190 Kgs/m <sup>3</sup> Note: No allowance for rebound loss
Bulk Density	Kgs/m <sup>3</sup>
After Heating at 105°C	2270
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	11.0
After Heating at 815°C	9.0
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	62.0
After Heating at 815°C	42.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 815°C	0.2% Shr
After Heating at 1480°C	0.9% Exp
Abrasion Loss - ASTM C704	cc
815°C	18.6
Shelf Life (Under Proper Storage Conditions)	180 days

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS, Installation Guidelines and Dry Out Schedules are also available.

