RESCORAM A-45

RESCORAM A-45 is a super duty, air-setting, 3100°F service temperature plastic refractory that is used throughout the metals and power producing industries where higher temperature requirements demand a higher PCE or a more refractory material. It is manufactured using Pyrophyllite-Andalusite-Alumina materials which give the product unique long term hot load resistance.

Maximum Service Temperature: 3100°F (1700°C)

Long Time Load Test: 3.6 Percent after 100 hours
(Deformation under 25 psi load @ 2600°F)

Bulk Density: (As installed) 148 lbs/ft^3 (2368 kg/m^3)

Modulus of Rupture:

220°F (105°C)	150-300 psi (10-21 kg/cm^2)
1800°F (980°C)	75-250 psi (5-18 kg/cm^2)
2550°F (1400°C)	400-600 psi (28-42 kg/cm^2)
2700°F (1480°C)	400-600 psi (28-42 kg/cm^2)

Drying Shrinkage (green - 220°F): 1.3%

Permanent Linear Change (%):
Based on Dried length

1800°F (980°C)	+0.8 to +1.2
2550°F (1370°C)	+1.0 to +1.4
2700°F (1480°C)	+1.0 to +1.4
2910°F (1600°C)	+1.0 to +1.4

Conductivity or "K" Factor:

Mean Temp.	BTU/ft^2/Hr/°F/in	W/mK
1000°F (540°C)	6.2	0.89
1500°F (815°C)	6.8	0.98
2000°F (1095°C)	7.5	1.08

Typical Chemical Analysis(%):

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	CaO	MgO	Alkalies
43.6	54.2	0.8	0.7	0.1	0.1	0.5

Standard Packaging: 64 - 55 lb. cartons per pallet

02/05/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet