



**description:**

Luyangwool ® board is designed for insulation applications experiencing vibration, mechanical stress and erosive forces. Luyangwool ® board can reduce energy costs and cycling times due to high insulating capability, as well as serving to protect refractory surfaces from thermal shock and chemical attack.

**Features:**

- Excellent thermal shock resistance
- Can be machined, cut and shaped easily
- High rigidity and light weight
- Low thermal conductivity
- Low heat storage

**Typical Applications:**

- Furnace hot face lining in petrochemical furnace
- Furnace hot face lining in ceramic kiln
- Board over blanket hot face lining
- Back-up insulation to brick & castable
- Expansion joints

**Typical Parameters:**

description	luyamgwool STD board	luyamgwool HP board	luyamgwool HA board	luyamgwool HZ board
CLASSIFICATION	1260	1260	1350	1430
COLOR	white	white	white	white
DENSITY (KG/M <sup>3</sup> )	250/300/360	250/300/360	300/360	300/360
module of rupture (mpa)	≥0.3	≥0.3	≥0.3	≥0.3
compressive strength (mpa.10% relative deformation)	0.15/0.25/0.3	0.25/0.3	0.25/0.3	0.25/0.3
loss of ignition(%)	≤6	≤6	≤6	≤6
permanent linear shrinkage(%)	1000 <sup>^</sup> cx24h≤3. 0	1100 <sup>^</sup> cx24h≤3. 0	1200 <sup>^</sup> cx24h≤3. 5	1350 <sup>^</sup> cx24h≤3. 5
thermal conductivity (w/m.k)				
400 <sup>^</sup> c	0.08	0.07	0.07	0.07
600 <sup>^</sup> c	0.11	0.1	0.1	0.09
800 <sup>^</sup> c	0.14	0.14	0.13	0.13
1000 <sup>^</sup> c	0.19	0.19	0.19	0.18