

SINSU INSULATION

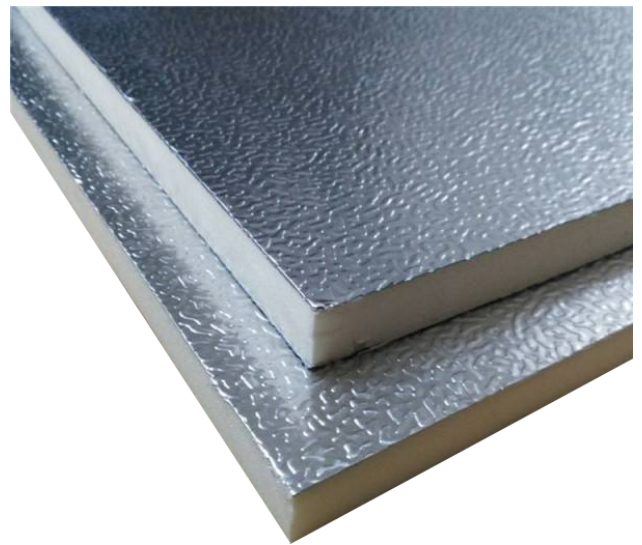
For Our Earth For Our Future

Potherm[®] AA Panel

A 100 % CFC, HCFC or HFC-free insulation board with a rigid polyisocyanurate foam core, clad on both sides with a reflective and low emissivity multi-layer gastight aluminium complex foil.

Applications:

- Partial fill cavity wall insulation
- Flat roof insulation for timber, concrete and steel deck
- Pitched roof insulation
- Wall insulation fixed to timber, steel deck and concrete
- Floor insulation (underfloor heating and concrete floors)
- Ventilation duct insulation



Thermal Conductivity:

0.022 W/(M.K) in accordance with EN 13165

Bulk density :	32±2 kg/m ³
Compressive strength:	180KPa
Closed cell structure:	96%
Air permeance:	0.001 L/s/m ²
Water absorption:	0.55%

Fire and Flame Properties:

SINSU Potherm AA has a reaction to fire class E in accordance with EN 13501-1 and Chinese Class B1 in accordance with GB/T20284. The insulation board has a low to zero smoke emission rate and does not melt or drip.

R-value of Thermal Performance Calculation Sheet

Thickness	20	30	40	50	60	70	80	90	100	120	140
R value	0.90	1.36	1.82	2.5	2.73	3.19	3.64	4.09	4.55	5.45	6.36
U value	1.10	0.73	0.55	0.4	0.37	0.31	0.28	0.24	0.22	0.18	0.16

Standard Dimensions:

Length : 2280mm Width : 1200mm