

COMPARISON OF INSULATORS ACCORDING TO R / PHASE FACTOR

Glass wool Low conductivity: very good R factor

Thermal capacity: very average

Density: low

Phase shift: poor

Hemp wool :

Low conductivity: very good R factor

Thermal capacity: Excellent

Density: good

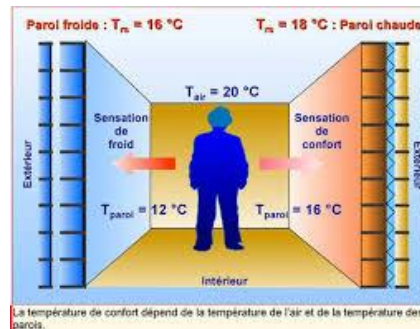
Phase shift: excellent

For a 12 hour phase shift

| PRODUCT | THICKNESS | PRICE |
|-----------------|-------------------|---------|
| Hemp insulation | 25 cm ou 10'' | 3,20\$ |
| Rock wool | 45 cm ou 17 ¾ '' | 4,45\$ |
| Glass wool | 65 cm ou 25 1/2'' | 2,05\$ |
| Polystyrene | 68 cm ou 26'' | 15,53\$ |

THERMAL COMFORT

THE WARMER THE WALL, THE BETTER THE INTERIOR.
TO HAVE WARMER WALLS, YOU NEED MORE MASS IN
INSULATING MATERIALS, THIS IS THE CASE OF HEMP.



TO CALCULATE THE TEMPERATURE IN A ROOM, YOU MUST ADD
WALL AND AIR TEMPERATURE AND DIVIDE BY TWO.

LEFT WE HAVE A TEMPERATURE OF 16 AND RIGHT OF 18.

TO INCREASE THE TEMPERATURE IN THE ROOM BEYOND 20 DEGREE CELCIUS,
15% MORE ENERGY WILL BE NECESSARY BY DEGREE OF INCREASE.