



## DIMENSIONS


### Pipe Cover

	Thickness	30, 40, 50, 65, 75 mm (1.18", 1.57", 1.97", 2.56", 2.95")
	Pipe Size	½" ~ 40"
	Length	1,000mm (39.37")


### Round Board

	Thickness	40, 50, 65, 75 mm (1.57", 1.97", 2.56", 2.95")
	Pipe Size	50" ~ 210"
	Length	1,000mm (39.37")

### Flat Board

	Thickness	30, 40, 50, 65, 75 mm (1.18", 1.57", 1.97", 2.56", 2.95")
	Pipe Size	150, 300 mm (5.90", 11.81")
	Length	1,000mm (39.37")

### Elbow Cover

	Thickness	30, 40, 50, 65, 75, 100 mm (1.18", 1.57", 1.97", 2.56", 2.95", 3.94")
	Pipe Size	4", 5", 6", 8", 10", 12", 14", 16"
	Length	Long Elbow

※ More than 16", supply after cutting process

COOL PERFORMANCE AT HOT TEMPERATURE

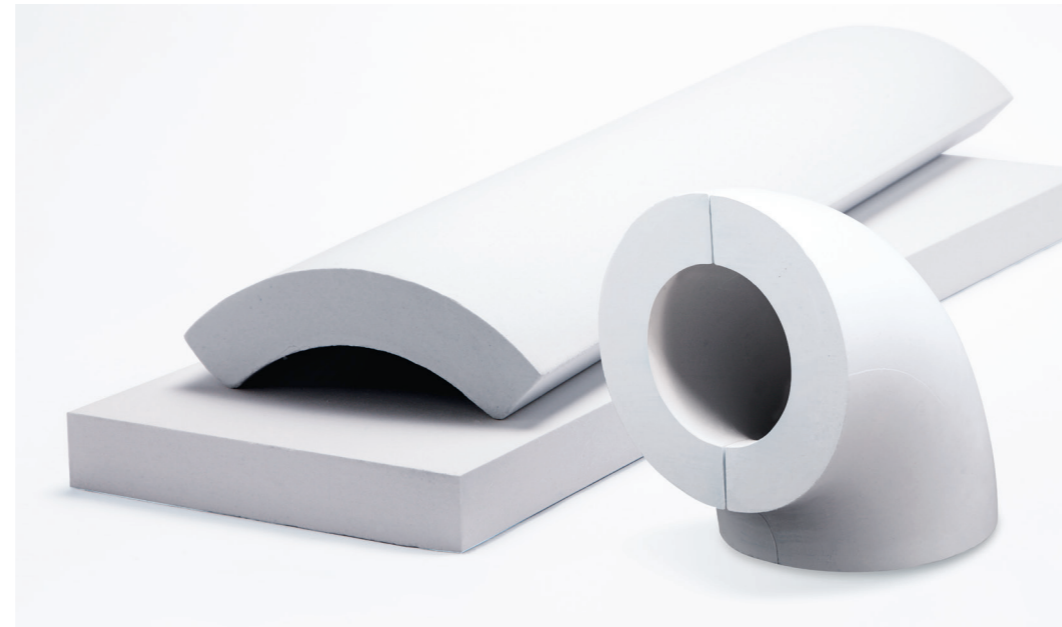
# SUPERLITE-A

WATER REPELLENCY PERLITE INSULATION

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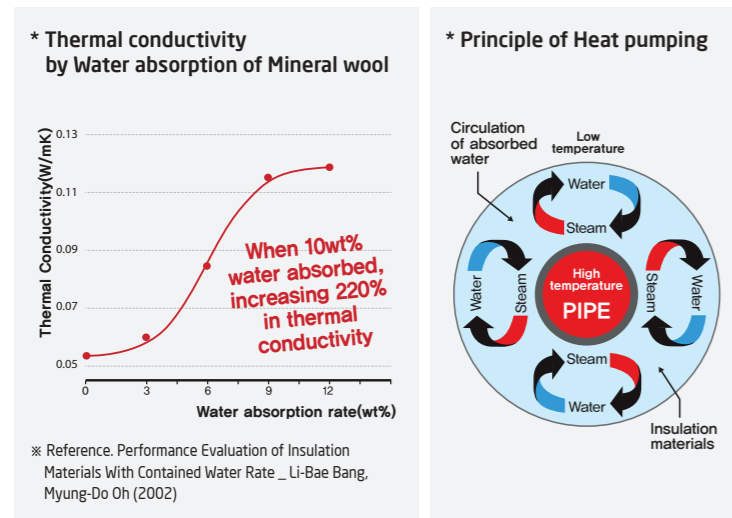
WATER REPELLENCY PERLITE INSULATION

SUPERLITE-A is a molded perlite insulation that can be used up to 650°C (1,200°F). It is a water repellency and asbestos free product. Main features of SUPERLITE-A include 99% water repellency, Anti-CUI, Durability and Full automation system.



## IMPORTANCE OF WATER REPELLENCY

Once an insulation absorbs moisture, its insulation ability decreases drastically and it can't maintain original performance. Furthermore the absorbed moisture inside of insulation is not evaporated because of heat pumping, which causes additional heat loss and durability lowering. To prevent this issue, water repellency for insulation is essential.



## FEATURES OF SUPERLITE-A

- 99% WATER REPELLENCY**  
 SUPERLITE-A has perfect water repellency even inside the product. It prevents moisture absorption and can be used for long time without decline of insulation performance.
- ANTI-CUI**  
 SUPERLITE-A prevents CUI for three reasons.
  - Outstanding water repellency
  - No-use water in Manufacturing process
  - A lot of corrosion inhibitor ions (Na<sup>+</sup>, SiO<sub>3</sub><sup>2-</sup>)

- DURABILITY**  
 SUPERLITE-A has more durability with Anti-CUI and No-sagging after installation.

- FULL AUTOMATION SYSTEM**  
 It is possible to supply for a big project in a timely manner and minimize difference between products with the full automation system.

## PROPERTIES

Properties	Unit	SUPERLITE-A	ASTM C610 PERLITE	ASTM C533-Type I CALCIUM SILICATE
Maximum usage temperature	°F (°C)	<b>1,200 (649)</b>	1,200 (649)	1,200 (649)
Density (Max)	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	<b>13.73 (220)</b>	15 (240)	15 (240)
Flexural Strength (Min)	lb/in <sup>2</sup> (kPa)	<b>58 (400)</b>	45 (310)	50 (344)
Linear Shrinkage(Length), at 1,200 °F(649 °C) For 24 h max	%	<b>2</b>	2	2
Thermal conductivity (Max)	300°F (149°C)	<b>0.55 (0.079)</b>	0.59 (0.085)	0.50 (0.072)
	500°F (260°C)	<b>0.64 (0.092)</b>	0.69 (0.099)	0.60 (0.087)
	700°F (371°C)	<b>0.74 (0.107)</b>	0.80 (0.115)	0.71 (0.102)
Water Repellency (Min) -according to KSF4714	%	<b>99</b>	-	-

## APPLICATIONS

Power plant	Petro-chemical	Oil refinery	Others
<ul style="list-style-type: none"> <li>• Boiler, Turbine</li> <li>• Equipment, Pipe</li> </ul>	<ul style="list-style-type: none"> <li>• NCC, BTX</li> <li>• Equipment, Pipe</li> </ul>	<ul style="list-style-type: none"> <li>• CDU, FOC, SRU</li> <li>• Equipment, Pipe</li> </ul>	<ul style="list-style-type: none"> <li>• Iron, Steel, Paper, Oil manufacturing, Ceramics, Pharmaceuticals, Architecture, Shipbuilding, Milling, Furnace and other high temperature facilities</li> </ul>

## INSTALLATIONS

