

# CERAWIL® HP Aluminium Silicate Fiber Blanket/Board

## PRODUCT DESCRIPTION

CERAMIC FIBER is a light weight and it possesses excellent refractory and insulating properties. It is designed for a wide range of applications such as steel, non-ferrous, petrochemical and ceramic manufacturing industries.

## PRODUCING TECHNOLOGY

CERAWIL® Blankets Is made up of HP (High Purity) ceramic Fiber which is produced by swinging technology, consist of such production courses as needling, heat shaped, cutting into proper length and width, bundling up, etc. It has fine tensile strength, at the same time, it has well distributed; composition and construction, and flat face.

CERAWIL® Blankets of different density and thickness provide a wide range for our customer's choices, so they can design the best insulation construction and can get fine benefits.

CERAWIL® Board are produced by vaccumformed technology, they do not only possess the same fine properties of fibre but also have hard texture, excellent toughness, intensity and excellent erosion resistance.



## BENEFIT AND FEATURES

Cerawil® Blanket HP-1260	Cerawil® Board HP-1260
- Low Thermal conductivity	- Low Thermal conductivity
- Low heat storage	- Low heat storage
- Excellent chemical stability	- Excellent chemical stability
- Excellent thermal stability and thermal shock resistance	- Excellent toughness
- Excellent tensile strength	- Excellent erosion resistance
- Excellent sound absorption	- Excellent processing function

ITEM		CERAWIL® Blanket HP-1260	CERAWIL® Board HP-1260
Chemical Analysis	Al <sub>2</sub> O <sub>3</sub> %	47 - 49	47 - 49
	Al <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub> %	≥ 99	≥ 99
	Fe <sub>2</sub> O <sub>3</sub> %	≤ 0.2	≤ 0.2
	Others %	≤ 0.2	≤ 0.2
Physical Properties	Specification Temp °C	1260	1260
	Working Temp °C	1100	1100
	Colour	White	White
	Available Density Kg/M <sup>3</sup> (lb/ft <sup>3</sup> )	96 , 128 ( 6 , 8 )	280 (17.5)
	Shrinkage rate (%) at temperature (°C/H)	≤ -3 ( 1100°C) 24 hr -Density 128 Kg/M <sup>3</sup>	≤ -3 ( 1100°C) 24 hr -Density 280 Kg/M <sup>3</sup>
	Rate of thermal conductivity	0.055 - 0.064 (400°C)    0.076 - 0.083 (600°C)    0.106 - 0.122 (800°C)    0.150 - 0.196 (1000°C)	0.066 - 0.085 (400°C)    0.081 - 0.112 (600°C)    0.101 - 0.139 (800°C)    0.124 - 0.156 (1000°C)
	Tensile Strength (MPa)	0.08 - 0.12 Density 128 Kg/M <sup>3</sup>	0.5 Density 280 Kg/M <sup>3</sup>
Dimension (mm) - L X W X T		7200 X 610 X 25 ; 3600 X 610 X 50	900 X 600 X 25~50