



PRODUCT DESCRIPTION

Mineral Stonewool board/slab, Rigid board with good compressive strength and stability.

COMMON APPLICATION

Mineral Stonewool board/slab insulation is a suitable product for use in applications that require thermal insulation and or sound attenuation of Flat or slightly curved surfaces of large tanks, silos, vessels, boilers, ducts and other commercial and industrial equipment.



SPECIFICATIONS AND DIMENSIONS

PRODUCTS	DENSITY (KG/M3)	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)
Soft	60	40, 50, 75, 100	600	1200
Semi-rigid	80	40, 50, 75, 100	600	1200
Rigid	100, 120, 150	40, 50, 75, 100	600	1200
Extra rigid	180, 200	40, 50, 75, 100	600	1200

Other sizes are available upon request

FIBER DIAMETER: 4μ ~7μ

SHOT CONTENT: <7%

SERVICE TEMPERATURE: 350°C ~ 850°C

COMBUSTIBILITY: Non-combustible

MOISTURE RESISTANCE: The products are water-repellent.

CHEMICAL PROPERTIES/BIOLOGICAL PROPERTIES: Mineral Stonewool is neutral (pH 7) or slightly alkaline and meets the requirement for use over stainless in accordance with standard ASTM C 795 JIS A 9504. It will not normally support the growth of moulds, fungi and bacteria.

TEMP (°C)	K-VALUE (W/MK)									
	40kg/m³	50kg/m³	60kg/m³	80kg/m³	60kg/m³	80kg/m³	100kg/m³	120kg/m³	130kg/m³	150kg/m³
50	0.043	0.041	0.039	0.038	0.039	0.038	0.037	0.037	0.037	0.037
100	0.054	0.049	0.046	0.044	0.046	0.044	0.043	0.042	0.043	0.042
150	0.068	0.061	0.058	0.053	0.058	0.053	0.051	0.050	0.050	0.049
200	0.086	0.074	0.071	0.064	0.071	0.064	0.060	0.059	0.058	0.057
250	0.106	0.090	0.088	0.076	0.088	0.076	0.071	0.069	0.067	0.066
300	0.131	0.109	0.106	0.091	0.106	0.091	0.084	0.082	0.080	0.080
350	-	0.131	0.127	0.107	0.127	0.107	0.099	0.096	0.094	0.094
400	-	-	-	0.126	-	0.126	0.116	0.111	0.109	0.107

DENSITY	TEST THICKNESS (MM)	APPARENT THERMAL CONDUCTIVITY (W/M-K)	THERMAL RESISTANCE (M² ·K/W)
80kg/m³	50	0.0336	1.49
	75	0.0336	2.23
	90	0.0336	2.68
	100	0.0336	2.98
100kg/m³	50	0.0335	1.49
	75	0.0335	2.24
	90	0.0335	2.69
	100	0.0335	2.99