

MicroRock[®] Slab

General Product Properties

MicroRock Slab is a strong, rigid stone wool insulation board which designed for general building applications as well as residential, commercial, industrial buildings and more. It is able to withstand medium to high pressure point. It also has good corrosion resistance and low thermal conductivity.

Facings

MicroRock Slab are available with two facing options upon request, which are black glass cloth and aluminium foil.

Common Applications

MicroRock Slab provides excellent acoustic, thermal and fire performance for wide range of industrial applications, especially applications subjected to heavy mechanical loads and high temperature industrial applications. It includes boilers, tank walls, tank roofs, vessels, and columns.

Densities and Dimensions

MicroRock Slab is available in four models, which has different level of heat resistance according to size and application: MR-SL9300, MR-SL9500, MR-SL9600, and MR-SL9800

Product Type	Unit	MR-SL9300	MR-SL9500	MR-SL9600	MR-SL9800
Density	kg./m ³	60	80	100	150
Size (Thickness 25-150mm.)	mm.	600 x 1200			

*Note: Please contact company's sales representative for other sizes

Installation

MicroRock Slab can be secured by using screws or metal pins on the insulation surface at the connection point. The edges of each insulator should be aligned to prevent air gap and heat loss. Installer should make sure that insulation that exposed to highly corrosive environment is clean and should use aluminium foil or any certified facing material for anti-corrosion. All joints should be sealed by effective waterproof sealant.



MicroFiber[®]
THERMAL AND ACOUSTIC PERFORMANCE
SINCE 1979

MicroRock[®] Slab

Product characteristics in accordance to ASTM C553

	MR-SL9300	MR-SL9500	MR-SL9600	MR-SL9800	Unit	Standards
Density	60	80	100	150	kg./m ³	ASTM C167
Thickness	25 - 150				mm.	
Dimension	600 x 1200				mm.	
Pre-laminated	Bare or Aluminium Foil, Glass Cloth					
Thermal Conductivity					(W/m.K)	ASTM C177
23 °C	0.036				-	-
93 °C	0.039				-	-
149 °C	0.046				-	-
204 °C	0.049				-	-
260 °C	0.050				-	-
360 °C	0.057				-	-
371 °C	0.064				-	-
Maximum Service Temperature	650				°C	ASTM C411 ASTM C447
Linear Shrinkage	< 2%				-	ASTM C356
Fire Performance / Surface Burning Characteristics	Non-combustible Flame spread = 0 Smoke development = 5				-	ISO EN 1182:2010 BS 476-04 ASTM E84
Water Absorption	< 1				kg./m ²	BS EN 1609:2013
Chloride Content	Less than 10				ppm.	ASTM C871