



CERAMATERIALS



"Your One Stop Shop for Thermal Processing"

Flex-Shield Composite Sheet

A flexible radiant heat shield produced by bonding graphite foil to a single woven layer of carbon/carbon composite. It provides a protective barrier between fragile insulation materials and the furnace hot zone.

Uses

Flex-Shield is recommended as a protective heat shield on the hot-face of a high temperature insulation packages. It can be installed directly over a carbon/graphite felt or conventional rigid board insulation. Flex-Shield is optimized to be extremely durable and yet pliable enough for bending.

Material Attributes

Insulation protection: Prevents heat pack erosion from high velocity gas flows and protects the insulation package from damage due to dropped parts. The use of Flex-Shield cost effectively extends the conventional insulation heat packs

Machinability

Flex-Shield can be easily cut using a utility knife and straight edge. More complex shapes can be formed with punch press

Easy Installation

Flex-Shield covers the face of the insulation package by conforming the walls of both round and square hot zones. It can be attached directly to a rigid board insulation with drywall-type graphite screws or held in place utilizing threaded studs attached to the hot zone cage or plenum.

Increased Efficiency

Reduces convective and radiant heat transfer.

Product Type	Length	Width	Thickness	Price(\$USD)	
	Flexshield	120	48	0.04	1,800
		96	48	0.04	1,500
		72	48	0.04	1,100
		60	48	0.04	900
		60	40	0.04	750
		72	48	0.06	1,200
		60	40	0.06	850