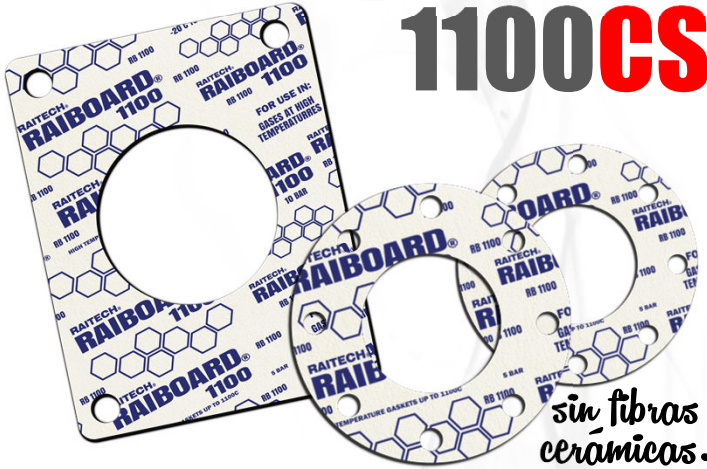


RAIBOARD® 1100CS



Our development for applications in burners and thermal barriers up to 1,100°C

RAIBOARD® 1100CS is a thermal insulation material manufactured from high-temperature silicates and selected binders.

It offers excellent thermal shock resistance, low conductivity, and high mechanical stability at elevated temperatures.

Thermal and Steel Industry

Furniture linings: As backup insulation behind refractory bricks.

Heat shields: Barriers to protect components sensitive to radiant heat.

Expansion joints: In hot gas ducts where a material that does not easily deform is required.

Glass and Ceramics Industry

Support plates: For the controlled cooling of glass or ceramic parts.

Mold insulation: To maintain uniform temperatures during the forming process.

Sealing and Gasket Applications

High-temperature gaskets: Used to manufacture rigid gaskets in boilers, dryers, and biomass stoves. Fire protection: In fire doors and safes.

TECHNICAL DATA

Properties:	RAIBOARD® 1100:CS	Sheet
Composition:	Silicates fiber for high temperatures.	
Temperature, Max:	2,012 °F (peak)	
Temperature, Continuous:	1,832 °F	
Pressure, Max:	47 Psi	
Compressibility, ASTM F36a:	10 %	
Recovery, ASTM F36a:	52 %	
Tensile Strength, ASTM F152:	508 psi	
Shrinkage, Thickness, 6 hr @ 1,100°C:	11.50 %	
Thermal conductivity, ASTM C201:	0.11	W/(m*K)
"M&Y" Values @ 1/16", ASME PVRC:	m= 5 y=2,900	
"M&Y" Values @ 1/8", ASME PVRC:	m= 5 y=1,350	
P x T @ 1/16, Psi x °F:	181,980	
P x T @ 1/8, Psi x °F:	100,089	
Availability:	RAIBOARD® 1100:CS	Sheet
Thickness / Width / Length:	1/8" / 39.4" / 39.4" 1/4" / 39.4" / 39.4" 1/2" / 39.4" / 39.4"	
Tolerances:	±10 %	

***The maximum temperature and pressure limits should not occur simultaneously.*

Maxima seguridad
en gases y alimentos.



ARM:TECH®
300H

Anillos interiores
para una mejor
sellabilidad y manejo.

*evita romper
las juntas.*



www.raitech.mx

All the technical information and recommendations given in this document are based on our experiences. However, we do not accept any type of responsibility. The data and values presented should be reviewed by the user, based on the understanding that success in sealing can only be achieved by evaluating all parameters and variables directly at the job site. The parameters in this document are approximate and may have mutual influence if they occur simultaneously; please contact us in critical applications or where there is doubt.