



Ceramic Fiber Modules

Nutec Fibratec* modules have the highest insulating value achievable in a ceramic fiber. Each module is a continuous folded blanket, U-loop and stackbond type all under compression.

Nutec Fibratec* module linings prevent heat loss, increasing the furnace productivity and reducing maintenance costs.

Features

- Fast and easy installation.
- Lower heat storage and fuel costs.
- This design creates a very light lining, less structural steel required.
- Several anchor systems are available.

Technical Specifications

	RT	HPS*	HTZ*	HTS*	HT
Max Use Limit °C	1260	1315	1425	1482	1482
°F	2300	2400	2600	2700	2700
Thermal Shrinkage (%)					
24 Hrs @ 1100°C	2.0	1.8			
24 Hrs @ 1300°C			2.0	2.0	2.0

Chemical Analysis (%)

AL ₂ O ₃	46-48	44-50	33-37	52-54	52-54
SiO ₂	49-55	50-56	47-51	42-46	42-46
ZrO ₂			13-19		
Fe ₂ O ₃	0.8-1.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2
TiO ₂	1.5-1.9	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2

* Spun Fibers

Standard Dimensions:

Density: 160, 192 & 224 kg/m³ (10, 12 & 14 Lbs/ft³)

Dimensions:

A: 305 & 610 mm (12" & 24")

B: 305 & 610 mm (12" & 24")

C: 100 - 305 mm (4" - 12")

Special sizes are available for specific needs.

Typical Applications

Ceramic Industry

- Low mass kiln cars.
- Continuous and batch kilns.
- Door linings.
- Glazing, porcelain furnace linings.

Power Generation

- Duct lining.
- Heat recovery steam system.
- Boiler insulation.
- Stack linings.

Refining and Petrochemical

- Ethylene furnace roof and walls.
- Pyrolysis furnace lining.
- Reformer furnace roof and walls.
- Boiler linings.

Steel Industry

- Ladle preheaters and covers.
- Heat treat furnace.
- Soaking pit covers and seals.
- Heaters and reformer lining.

Others

- Insulation of commercial dryers and ovens.
- Veneer over existing refractory.
- Stress relieving insulation.
- Fire protection.

