



Ceramic Fiber Modules



Properties

NUTEC Fibrattec* modules have the highest insulating value achievable in a ceramic fiber. Each module is a continuous folded blanket under compression.

NUTEC Fibrattec* 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 steel required.
- Several anchor systems.

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.
- Glass furnace crown insulation.
- Fire protection.

Technical Specifications	RT	HPS*	HTZ*	HT
Max Use Limit X (T)	1260(2300)	1315(2400)	1425(2600)	1482(2700)
Continuous Use Limit °C(°F)	1160(2120)	1200(2182)	1325(2417)	1380(2516)
Thermal Shrinkage (%)				
24Hrs@1100°C	2.0	1.8		
24Hrs@1300°C			2.0	2.0
Chemical Analysis (%)				
AL2O3	46-48	44-50	33-37	52-54
S O2	49-55	50-56	47-51	42-46
ZrO2			13-19	
Fe2O3	0.8-1.2	0.1-0.2	0.1-0.2	0.1-0.2
T O2	1.5-1.9	0.1-0.2	0.1-0.2	0.1-0.2



Standard Dimensions:

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

Dimensions:

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

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

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