

DELTA DF® BURNER BLOCK MODULE

Delta DF® Burner Blocks have the highest insulating value achievable in a ceramic fiber lining. Each module is comprised of folded blanket under compression to insure a tight seal and a “spring-back” action not found in typical wallpaper linings.

Noted features of a **DF® Burner Block** are:

- Lightweight alternative to cast burner blocks.
- Alloy sleeve prevents erosion from burner tip velocities.
- Low heat storage and fuel costs
- Thermal shock resistance speeds up heat ups and cool downs for quick turn-around times.
- Self supporting hardware customized per burner specifications.
- Can be pre-mounted on burner plate w/ backup gasket per customer request.
- Compatible with refractory & fiber wall linings.
- Manufactured in the USA with Unifrax Blanket

Typical Applications for **DF® Burner Block** are:

- Ethylene Units
- Catalytic Cracking Units
- Methane Reformers
- Hydrogen Reformers
- And more...

Size & Densities Available

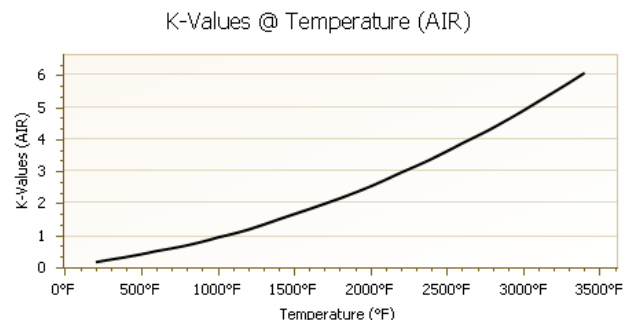
- 12 (Lbs/Ft³) Minimum up to 14.4 (Lbs/Ft³) Density
- Standard Sizes range from 24” x 24” to 12” x 12” in thicknesses from 2” to over 14” (Typical Size is 18” x 18” x 8” to 12” Thick)
- 2600°F Rated Ceramic Fiber Blanket.
- Custom sized burner blocks are also available for a seamless installation.

* Delta also manufactures 100% precast burner blocks and composite burner tiles to suit all needs.



Typical Thermal Profile of Delta DF® Burner Blocks K-Values - Air (BTU-In/Hr-Ft²-°F)

Temperature	K-Value
200°F	0.18
600°F	0.50
1000°F	0.93
1800°F	2.16
2200°F	2.95
2600°F	3.87



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Typical Product Parameters	
Grade (Available in 2600°F Blanket)	
Chemical Composition	2600°F (2450°F)
Al ₂ O ₃	29-31%
SiO ₂	53-55%
ZrO ₂	15-17%
Fe ₂ O ₃	—
TiO ₂	—
MgO	—
CaO	—
Na ₂ O ₃	—
Alkali	—
Leachable Chlorides	< 10 ppm
Other Inorganics	—
*MgO and other trace elements	

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