



DESCRIPTION

Fiberfrax® Cerlock Module (sliding type) is designed to meet a wide range of application requirements in many types of heat processing equipments. Unifrax specifications require inorganic spun fibre blankets for construction of the Cerlock Module. The spinning process produces a long, tough fibre that contributes to the strength & stability of the needed blanket. These Modules are manufactured in two standard construction forms folded or edge stack and are available over a wide range of densities, thicknesses & sizes. It offers effective engineering solutions to thermal management applications of various industries.

GENERAL CHARACTERISTICS

Fiberfrax® Cerlock Modules has the following outstanding characteristics :

- High temperature stability
- Low thermal conductivity & heat storage
- Resistance to thermal shock & chemical attack
- Sliding fixation system
- Easy installation & maintenance

TYPICAL APPLICATIONS

- Fired heaters & Reformers
- Heat treatment Furnaces / CGL
- Ladle & Soaking pit covers
- HRSG & WHRU
- Tunnel kilns & Intermittent kilns

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

*greener
cleaner
safer*
specialty fibers for
a greener, cleaner, safer world

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UNIFRAX

TYPICAL PRODUCT PARAMETERS

Fiberfrax® Cerlock	Z	S
Typical Chemical Analysis (fibre wt. %)		
Al ₂ O ₃	30 - 34	42 - 47
SiO ₂	50 - 54	53 - 58
ZrO ₂	14 - 18	-
Fe ₂ O ₃	< 0.1	< 0.1
TiO ₂	< 0.3	< 0.3
Leachable Chlorides, ppm	< 10	< 10
Physical Properties		
Colour	White	White
Classification Temperature (°C)	1425	1260
Melting Point (°C)	1760	1760
Density (kg/m ³)	160 / 180 / 192	160 / 180 / 192
Mean Fibre Diameter (microns)	2.6 - 3.4	2.6 - 3.4
Fibre Index (%)	48 Min	48 Min
Shot Content (ASTM) (%)	8 - 14	10 - 15
Specific Gravity	2.65	2.65
Permanent Linear Shrinkage (%) 24 hour soak		
1200 °C	2.0 Max	3.0 Max
1260 °C	-	3.5 Max
1400 °C	3.3 Max	-

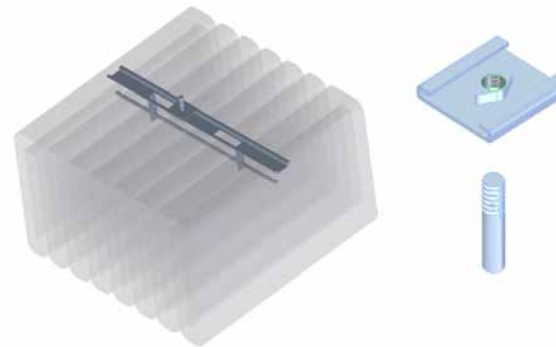
The maximum continuous use limit temperature for these products depends upon operating and application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

AVAILABILITY

Module Dimensions (mm)			Cerlock
Length	Width	Thickness	Per Carton
305	305	100	10
		125	8
		150	8
		175	6
		200	6
		225	4
		250	4
		275	4
		300	4

Other densities, thicknesses / sizes may be available on request subject to minimum order requirements.

ANCHOR ASSEMBLY



THERMAL CONDUCTIVITY DATA (W/mK)

Mean Temp. (°C)	Density (kg/m ³)		
	160	180	192
600	0.16	0.15	0.14
800	0.20	0.19	0.17
1000	0.28	0.25	0.22
1200	0.37	0.33	0.28

Thermal Conductivity figures are empirical values (average) based on experience.

HANDLING INFORMATION

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Supplied by: