FIBERFRAX ANCHOR-LOC MODULES

INSULCON
LEADER IN HIGH TEMPERATURE SOLUTIONS

Fiberfrax Anchor-Loc modules are manufactured from ceramic fibre blanket to provide two standard construction forms, edge-stacked or folded. These prefabricated anchored modules are specifically designed to meet the thermal insulation requirements of industrial furnaces, kilns and heaters. Anchor-Loc modules can be produced with various anchoring systems to enable quick, easy and efficient installation for most lining applications. Available in a wide range of grade, thickness and density combinations, the Fiberfrax Anchor-Loc range offers effective engineered solutions to thermal management problems in many industry sectors.

General characteristics

Fiberfrax Anchor-Loc modules have the following outstanding characteristics and advantages:

- High temperature stability
- Low thermal conductivity & heat storage
- Resistance to thermal shock & chemical attack
- Lightweight
- Fast installation & selection of attachment designs

Typical applications

Petrochemical : Furnaces & Fired heaters
Metallurgy : Heat treatment & Forge furnaces, Ladle & Soaking pit covers
Ceramic : 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.

Typical Product Parameters

Anchor-Loc	**S**	**Z**	**MX**
Typical Chemical Analysis (fibre wt. %)			
SiO_2	53,0 – 58,0	52,0 – 56,0	52,0 – 56,0
Al_2O_3	42,0 – 47,0	28,0 – 32,0	28,0 – 32,0
ZrO_2	-	14,0 – 18,0	14,0 – 18,0
$Fe_2O_3 + TiO_2$	< 0,2	< 0,2	< 0,2
Alkalis	< 0,25	< 0,25	< 0,25
Physical Properties			
Colour	White	White	White
Product Density (kg/m^3)	160/170/190	160/170/190	210
Classification Temp. (°C)	1250	1400	1450
Use limit (°C)*	1200	1350	1420
Permanent Linear Shrinkage (%) 24 hour soak			
1200°C	< 3,0	-	-
1350°C	-	< 3,0	-
1450°C	-	-	< 3,0

*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 us. Where appropriate Physical Properties are measured according to EN 1094-1.

Thermal Conductivity Data (W/mK)

Mean Temp. (°C)	**Density**

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TECHNICAL DATASHEET

Form: A1-176
Effective 03012022/ES/ka
Supersedes: 22082017/CD/ka
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	S & Z 160	S & Z 170	S & Z 190	MX 210
600	0,16	0,15	0,14	0,13
800	0,20	0,19	0,17	0,16
1000	0,27	0,25	0,22	0,21
1200	0,35	0,33	0,28	0,26

Thermal Conductivity figures are empirical values based on experience.

Availability

Module Dimensions (mm)

Length	Width	Thickness	RX2 Per Pallet	TL, WL Per Pallet
300	300	100	264	308
		125	192	224
		150	168	196
		175	144	168
		200	120	140
		225	96	112
		250	96	112
		275	96	112
		300	72	84
		325	72	84
		350	72	84

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

Anchor systems available include:
RX2 = Side fixing system: Standard grade AISI 321
TL = Thread-Loc Centre fixing system: Standard grade AISI 304
WL = Weld-Loc: Standard grade AISI 304

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