

- HEATING
- INSULATION
- MEASURING
- FIRING & MELTING



Fiberplast

Fiberplast consists of Bulk Fibers, refractory powders and binders. It is a versatile insulation product used for cast shapes, furnace linings and general repairs of refractory linings.

Fiberplast-GS is used for side wall of regenerator for glass melting furnace.

Fiberplast		GS	13	15	15K
Color		White	White	White	White
Max. Service Temperature(°C)		1300	1300	1500	1500
Bulk Density(kg/m ³)	Before Dry	1150	1150	1200	1650
	After Heating at 110°C	500	500	500	700
Loss on Ignition (%)		2.0	2.0	1.5	1.5

Cement

Coating Cement contains milled fibers and binders to provide an air setting refractor or bond. It is available in a range of consistencies for brush, spray and trowel application. It is widely used as a fiber-to-fiber adhesive. MB Cement and 17B Cement are high temperature cements for Fibermax product forms.

	Coating Cement		MB Cement	17B Cement	17D Cement
	150	180			
Color	White	White	White	White	White
Max. Service Temperature(°C)	1200	1200	1400	1700	1700
Bulk Density(kg/m ³)	1700	1650	1100	1050	1400
Solid Content (%)	72	70	35	28	40

Moldable, Rigidizer

Moldable and Moldable-T consists of Fibrexcel ceramic fibers dispersed in sticky water based refractory binder. These products have a putty-like consistency which permits application by caulking, troweling or hand forming. Moldable-T produces smaller amount of gas than Moldable, making it suitable for trough and distributor linings of nonferrous metals.

	Moldable			Rigidizer	
		T	16D		
Color	White			Blue	
Max. Service Temperature(°C)	1200	1200	1600	870	
Bulk Density Before Dry (kg/m ³)	1300	1400	1200	1150	
Bulk Density After Heating at 110°C (kg/m ³)	650	650	500	4	
Loss on Ignition (%)	7	4	9	0.42-0.5	

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 HIGH TEMPERATURE TECHNOLOGY

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Jointsealer

Jointsealer products are versatile, putty-like insulation materials which can be pumped or caulked quickly and easily into place. They are composed of Fibrexcel ceramic fibers or Fibermax polycrystalline fibers, depending on temperature grades, and dispersed in high temperature binders.

Jointsealer products require only drying to produce a relatively strong insulating structure with low thermal conductivity.

Cracks and voids in refractory linings, opening joints of ceramic fiber block linings, pipe penetrations and other areas which are difficult to seal can be easily filled using Jointsealer.

Typical Applications

- Hot or cold patch repair of refractory back-up insulation of furnace and boiler.
- Furnace door frame and jamb seals.
- Caulking of refractory cracks and joints.
- Caulking of opening joints of ceramic fiber blocks.

	Jointsealer 11	Jointsealer 13	Jointsealer 15	Jointsealer 16	Jointsealer 17	
Color	White	White	Blue	Blue	White	
Maximum Use Temperature (°C)	1100	1260	1500	1600	1700	
Bulk Density (kg/m ³)	Before Dry	1100	1200	1130	1050	1300
	After Dry	400	600	340	270	400
Linear Shrinkage (%) 24-hour	5 (1100°C)	2 (1100°C)	1.5 (1500°C)	-0.2 (1600°C)	0.8 (1700°C)	
Initial Drying Shrinkage (%)	1.0	1.0	1.0	1.0	1.0	
Loss on Ignition (%)	8.5	4.0	7.0	7.0	3.0	



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D-Block and Module Cement

D-Block is made of stacked multiple layers of blanket which are sewn together under compression, and is available in four temperature grades ranging between 1260°C and 1600°C. D-Block offers superior durability, resiliency, uniformity and dimensional accuracy. Block can be mortared into place over existing refractory using either Module Cement or Module Cement HS, depending on the furnace operating temperature. Module Cement is a mixture of refractory mortar and inorganic binders. It is an air setting mortar exhibiting good adhesion at room temperature and strength at elevated temperatures. Many furnace operators have chosen this method for upgrading the performance of existing linings because of the ease, speed, and simplicity of installation.

Coating Material

		D-COAT SL	D-COAT S	COAT 2
Maximum Use Temperature (°C)		1500	1500	1400
Bulk Density (kg/m ³)	Before Dry	1300	1300	1200
	After Dry	800	160	400
Installation Method		Spray	Spray	Trowel
Coverage (kg/m ³)		5	2~3	4~5

Cement

	Module Cement	Module Cement HS
Maximum Use Temperature (°C)	1200	1400
Adhesion at Room Temp. (g/cm ²)	10~14	8~10
Setting Property	Air Setting	
Coverage (kg/m ³)	8~10	

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