



INFORMATION BULLETIN

Flosan® 2000 Series

DESCRIPTION:

Flosan® is a mixture of carefully selected and processed refractory materials with a high sintering point. The product is used as nozzle fill in sliding gates ladle system and also in E.B.T. furnace taphole. Flosan EBT sand is a high temperature calcined magnesium silicate blend featuring low density for economy, very high refractoriness for outstanding free open rates. No chrome for minimal taphole wear. Blended with various levels of quartz for free-open optimization.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % by weight)

	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®
	2001	2002	2003	2004	2005	2006	2007	2008	2009
MgO %	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36
SiO ₂ %	95.2	90.4	85.6	80.8	76.0	71.2	66.4	61.6	56.8
Fe ₂ O ₃ %	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
CaO %	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Al ₂ O ₃ %	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9



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TYPICAL AS RECEIVED PROPERTIES:

	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®	FLOSAN®
	2001	2002	2003	2004	2005	2006	2007	2008	2009
Bulk density (g/cm ³)	1.60	1.58	1.56	1.54	1.52	1.50	1.48	1.46	1.44

SIZING:

USES INCLUDE:

-3+10 (6-8 mesh)	EBT taphole fill
10-20 (20-16 mesh)	Taphole fill
16-60 (16&24 mesh)	Tundish back fill
30-60 (24&30 mesh)	Ladle nozzle fill
35-70 (40 mesh)	Tundish nozzle fill

PACKAGING AND STORAGE:

Shipped in either 3000 lbs. super sacks, 1000 lb. drums, 50 lb. bags, or 25 lb. bags. Other packaging options may also be available. Store pallets in a dry and protected area.

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

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