非水系耐火泥漿 Water-free refractories mortar

本產品是以碳化矽或剛玉為主要原料、添加少量添加劑混合而成的耐火混合粉，以複合樹脂為結合劑。產品在中國寶鋼、沙鋼、南鋼、三鋼等廠家的各種爐容的高爐上的成功應用。

This product is a kind of mixed refractories powder made from SiC or corundum as main raw materials with small quantity of additives, and composite resin as binder. The product has been successfully used in BF with different volumes of Baosteel, Shasteel, Nanjing Steel, Sanming Steel, etc.

技術參數 Technical Data

項目		非水系耐火泥漿 Water-free refractories mortar	
		G-THG	G-GY
化學成分 Chemical composition，%	SiC ≧	80	-
	Al_2O_3 ≧	-	85
	Fe_2O_3 ≦	0.6	0.5
冷態抗折粘結強度，MPa Cold rupture bonding strength	25~35℃自然養護 7 天後 Natural curing at 25~30℃ for 7 days	1.5[a]	-
	(180℃×24h) ≧	12.0	6.0
	(1300℃×3h)燒後 After sintering ≧	9.0[b]	8.0[b]
粘結時間 Bonding time, sec ≧		60 ~ 120	
粒度，% Particle size	-1.0 mm	100	100
	+0.5 mm ≦	2	2
	-0.074 mm ≧	50	50
應用		G-THG 用於 Si_3N_4 結合及 Sialon 結合 SiC 結合高爐磚的砌築。 G-THG is used for laying of Si_3N_4 or Sialon bonded SiC brick for BF. G-GY 用於高爐用 Sialon 結合剛玉的砌築。 G-GY is used for laying of Sialon bonded corundum bricks for BF. 注：a.僅適用於冷鑲磚用耐火泥。 a. It is only applicable for cold inset bricks. b.加熱處理時需埋碳保護。 b.Carbon-embedded protection is needed for hot-treatment.	

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