



金鯉牌粉煤灰硅酸鹽水泥

Gold Carp Brand Portland Pulverized-fuel Ash Cement

一. 主要組成 Primary Constituents

金鯉牌粉煤灰硅酸鹽水泥主要由硅酸鹽水泥熟料、20~35%粉煤灰及適量石膏經粉磨生產而成。

Gold Carp Brand Portland Pulverized-fuel Ash Cement is mainly made up of pulverized Portland cement clinker, 20~25% of fly ash and a small quantity of gypsum.

二. 產品等級 Product Grade

42.5 粉煤灰硅酸鹽水泥

42.5 Portland Pulverized-fuel Ash Cement

三. 性能和用途 Properties and Uses

金鯉牌粉煤灰硅酸鹽水泥具有水化熱低、和易性好、泌水性小、乾縮小、耐侵蝕性好、後期強度增進大等特點，可廣泛運用於各種工業和民用建築工程，適用於大體積混凝土和地下工程。

Gold Carp Brand Portland Pulverized-fuel Ash Cement is characteristic of low hydration heat, good workability, little bleeding and shrinkage, excellent corrosion resistance, significant increase of long-term strength, etc, it is adaptable to use in all kinds of civil or military engineering, mass concrete and underground construction.



四. 主要技術指標 Main technical Parameters

項目 Item	單位 Unit	技術要求 Technical Requirements			測試結果 Test Result
		澳門水泥標準 Macau Cement Standard	歐洲水泥標準 European Cement Standard	中國水泥標準 National Cement Standard GB 175-2007	
強度等級 Strength Grade	—	Type II / V-42.5	CEM II / B-V 42.5N	P · F 42.5	
細度 Fineness	m ² /kg	idt EN 197-1:2000		80µm篩餘 Residue (≤10.0%)	310
凝結時間 Setting Time	初凝 Initial	—		≥45	160
	終凝 Final	—		≤600	250
安定性 Soundness	mm	≤10		Qualified	0.5
抗壓強度 Compressive Strength	二天 2 days	≥10		—	16.5
	三天 3 days	—		≥15	20.2
	二十八天 28 days	≥42.5, ≤62.5		≥42.5	51.6
三氧化硫 SO ₃	%	≤3.5		≤3.5	1.90
氧化鎂 MgO	%	—		≤6.0	1.76
鹼含量 Alkali Content	%	—		≤0.60 (Optional Parameter)	0.50
氯含量 Chloride Ion Content	%	≤0.10		≤0.06	0.01

使用方法 Application Method: (重量比 weight ratio)

	水泥 cement	砂 sand
普通砌築 砂漿 ordinary masonry mortar	1	4
普通抹灰 砂漿 ordinary plastering mortar	1	5
普通地坪 砂漿 ordinary flooring mortar	1	3

注：以上是在實驗室標準狀態下的配合比，具體配合比請根據工況及摻合料的品質進行調整。
Note: The above mentioned proportion is the standard form lab mix which is supposed to be adjusted to the best on the basis of application condition and admixtures quality.