



Eco-Friendly



Non-Toxic

ACRYLIC EMULSION**SINOGRACE**

The Chemical Company

WF-500 Reference formula and test results**Reference formula**

Model	Liquid ratio		powder mixture ratio	
	WF-500	Sinograce emulsion	94.0	P.O42.5cement
A10		1.0	Metakaolin	16.0
Dispersing agent		2.0	HPMC(10-15)	0.3
Antiseptic		1.0	Superplasticizer	4.0
water		102.0	quartz powder (70-140mesh)	380.0
Total		200.0	Total	800.3

Test results

No.	Test item		Technical data	Test result	Inspection result
1	Appearance		Liquid after mixing evenly, no precipitation; Powder for the uniform, no agglomerate powder	Liquid after mixing evenly, no precipitation; Powder for the uniform, no agglomerate powder	Qualified
2	Dry time/h	surface drying time ≤	4	< 4	Qualified
		Full Drying Time ≤		< 4	
3	Impervious pressure /MPa ≥		8	0.8	Qualified
4	Flexibility Transverse deformation		0.5	/	/

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	capability /mm\geq				
5	Bond strength /MPa	No treat/%\geq	2	2.5	Qualified
		wet base /%\geq	0.7	2.2	Qualified
		Alkali treatment /%\geq	0.7	2.2	Qualified
		Soaking treatment /%\geq	0.7	2.2	Qualified
6	Bond strength /MPa\geq	12	37	Qualified	
7	Breaking strength /MPa\geq	4	21	Qualified	
8	Alkali resistance	No cracking and spalling	No cracking and spalling	Qualified	
9	Heat resistance	No cracking and spalling	No cracking and spalling	Qualified	
10	Freezing resistance	No cracking and spalling	No cracking and spalling	Qualified	
11	Shrinking percentage /%\leq	0.3	/	/	

(Polymer cement waterproof paste) Test results

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