

TEST REPORT

Report No.: XJ2026B01C00421E

Entrusted by: Shanxi Yanhe EnergyEfficiency
TechnologyCo.,Ltd.

Sample Name: Two-Component Multi-Functional Polymer-
Modified Cementitious Mortar

Test Type: Type test

China Testing & Certification International Group Co., Ltd.
**National Research Center of Testing Techniques for Building
Materials**



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Sample Name	Two-Component Multi-Functional Polymer-Modified Cementitious Mortar	Test Type	Type test
Entrusted by	Shanxi Yanhe EnergyEfficiency TechnologyCo.,Ltd.	Sample source	Entrustment
Manufacturer	Shanxi Yanhe EnergyEfficiency TechnologyCo.,Ltd.	Trademark	KEYANJI
Reception Date	February 3, 2026	Sample Status	Uniform powder
Sample Quantity	Powder:12kg, liquid material:3kg	Model/Size	Type I
Production Date/ Batch No.	_____	Test Date	February 4, 2026 -April 3, 2026
Test Method	Shown on each data sheet.		
Criterion	JC/T 2090-2011 (2017) Polymer modified cement slurry for waterproof Technical requirements stipulated by the entrusting party		
Test Item	13 items including appearance, drying time etc., as shown in the data page.		
Conclusion	<p>* Upon inspection, the test results of the inspected items (Items 1 to 11) of the submitted sample comply with the technical requirements for Type I (General Purpose) specified in JC/T 2090-2011 (2017) Polymer modified cement slurry for waterproof. The test result of anti-condensation performance conforms to the technical requirements stipulated by the entrusting party, and the test result of anti-efflorescence is shown in the data sheet. *</p> <p style="text-align: right;">Date of issue: (Seal)</p>		
Remark: The following information is provided by the entrusting party: Company Principal: Xi Zhao.			

Approved by

Checked by

Compiled by

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No.	Test Item		Requirement of Criterion JC/T 2090-2011 (2017) Type: I	Test Result	Item Conclusion	Test Method
1.	Appearance		After stirring ,the liquid material is a uniform and sediment-free liquid, and the powder material is a uniform, lump-free powder	After stirring ,the liquid material is a uniform and sediment-free liquid, and the powder material is a uniform, lump-free powder	Pass	JC/T 2090-2011 (2017) 7.2
2.	Drying time	Tack-free time	$\leq 4h$	30min	Pass	GB/T 16777-2008 Chapter 16
		Hard drying time	$\leq 8h$	50min	Pass	
3.	Impervious pressure		$\geq 0.5MPa$	1.0MPa	Pass	JC/T 2090-2011 (2017) 7.5 GB 23440-2009 6.5
4.	Flexibility	bending	$\geq 2.0mm$	3.9mm	Pass	JC/T 1004-2006 Appendix B
5.	Bonding strength	No treatment	$\geq 0.7MPa$	2.3MPa	Pass	JC/T 2090- 2011(2017) 7.8 JC/T 907- 2002(2017)5.4 GB/T 23445-2009 7.6
		Wet base layer	$\geq 0.7MPa$	1.8MPa	Pass	
		Alkali treatment	$\geq 0.7MPa$	1.7MPa	Pass	
		Immersion treatment	$\geq 0.7MPa$	1.5MPa	Pass	

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No.	Test Item	Requirement of Criterion JC/T 2090-2011 (2017) Type: I	Test Result	Item Conclusion	Test Method
6.	Compressive strength	$\geq 12.0\text{MPa}$	43.5MPa	Pass	JC/T 2090-2011(2017) 7.9 GB/T 17671-2021
7.	Flexural strength	$\geq 4.0\text{MPa}$	11.1MPa	Pass	
8.	Alkali resistance	No cracking or peeling	No cracking or peeling	Pass	JC/T 2090-2011(2017) 7.10 GB/T 16777-2008 Chapter 13
9.	Heat resistance	No cracking or peeling	No cracking or peeling	Pass	JC/T 2090-2011(2017) 7.11
10.	Frost resistance	No cracking or peeling	No cracking or peeling	Pass	JC/T 2090-2011(2017) 7.12 GB/T 50082-2009 Chapter 4
11.	Percentage of contraction	$\leq 0.3\%$	0.1%	Pass	JC/T 2090-2011(2017) 7.13 JC/T603-2004(2017)
12.	Alkali burnout resistance	/	No visible traces of alkali efflorescence and no powder shedding	/	JC/T 1024-2019 7.8
Remarks: 1. Test Site: GuanZhuang. 2. powder:Liquid =1:0.23(g/g)					

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No.	Test Item		The principal technical requirements	Test Result	Item Conclusion	Test Method
13.	Anti-condensation property	Initial dew point	$\geq 60\text{min}$	81min	Pass	HG/T 5172-2017 5.17
		Condensation amount	$\leq 2\text{g}$	0.68g	Pass	HG/T 4560-2013

(Blank below)

Remarks: 1. Test Site: GuanZhuang.
 2. powder: Liquid = 1:0.23(g/g).
 3. Brushing quality: 90g.
 4. State I: 120min.

————— **End of the report** —————

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