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中国认可  
国际互认  
检测  
TESTING  
CNAS L0690

# TEST REPORT

No: WT2018B03C03664



Entrusted by Shenzhen Joaboa Technology Ltd.

Sample Name BAC-PCLF-type Self-adhesive  
Waterproofing Membrane

Test Type Entrustment test

**National Research Center of Testing Techniques  
for Building Materials**



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<b>Sample Name</b>	BAC-PCLF-type Self-adhesive Waterproofing Membrane	<b>Test Type</b>	Entrustment test
<b>Entrusted by</b>	Shenzhen Joaboa Technology Ltd.	<b>Brand</b>	BAC
<b>Manufacturer</b>	SUZHOU JOABOA TECHNOLOGY LTD.	<b>Sample Description</b>	Intact
<b>Sample Received Date</b>	July 6, 2018	<b>Quantity</b>	5 rolls
<b>Production Date/ Batch No.</b>	---	<b>Model/Size</b>	W P I D, 1.5mm 1m×20m
<b>Test based on</b>	The inspection basis for each inspection item is detailed in the data page		
<b>Test Standard</b>	GB/T 23457-2009 Pre-applied and wet installed waterproof sheets		
<b>Test Items</b>	Flexibility at low temperature, Flow resistance at elevated temperature, Watertightness, Tensile property, Tear strength, Asphalt penetration, Thermal stability, Artificial ageing by long term exposure to elevated temperature ( 70℃,168h ) , The peel resistance between waterproof sheet and waterproof sheet, Holding power, The peel resistance between waterproof sheet and cement-mortar board, The peel resistance between waterproof sheet and cement-mortar board after soaking treatment, Total thickness, Area, Visible defects		
<b>Conclusion</b>	<p>* According to GB /T 23457 – 2009, test results of all items comply with the requirements of products with class I of P type of wet installed waterproof sheets. Test results are shown in pages 2~6. *</p> <p style="text-align: right;"><b>Date of issued:</b> August 23, 2018</p>		
<b>Remarks:</b>	(Blank)		



Approved by: Verified by: Compiled by:

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# 国家建筑材料测试中心

(National Research Center of Testing Techniques for Building Materials)

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No.	Test Item	Unit of measurement	Requirements of Standard ( W P I )	Test Results	Individual Conclusion	Test based on	
1	Flexibility at low temperature	/	- 15°C, No crack	- 15°C, No crack	Pass	GB/T 23457-2009 5.15 GB/T 328.14-2007	
2	Flow resistance at elevated temperature	/	70°C, 2h, No displacement, No flow, No droplet	70°C, 2h, No displacement, No flow, No droplet	Pass	GB/T 23457-2009 5.13 GB/T 328.11-2007	
3	Watertightness	/	0.3MPa, 120min No leakage	0.3MPa, 120min No leakage	Pass	GB/T 23457-2009 5.17 GB/T 328.10-2007	
4	Tensile property	Tensile force (Longitudinal direction)	N/50mm	≥150	266	Pass	GB/T 23457-2009 5.8.1 GB/T 328.9-2007
		Tensile force (Transverse direction)	N/50mm	≥150	250	Pass	
		Elongation at maximum tensile force (Longitudinal direction)	%	≥30	449	Pass	
		Elongation at maximum tensile force (Transverse direction)	%	≥30	422	Pass	

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No.	Test Item		Unit of measurement	Requirements of Standard (W P I)	Test Results	Individual Conclusion	Test based on
5	Tear strength	Longitudinal direction	N	$\geq 12$	49	Pass	GB/T 529-2008
		Transverse direction	N	$\geq 12$	47	Pass	
6	Asphalt penetration		piece	$\leq 2$	1	Pass	GB/T 23457-2009 5.19
7	Thermal stability	Visible defects	/	No bubble, No slip, No flow	No bubble, No slip, No flow	Pass	GB/T 23457-2009 5.24
		Dimensional stability (Longitudinal direction)	%	$\leq 2.0$	0.8	Pass	
		Dimensional stability (Transverse direction)	%	$\leq 2.0$	1.3	Pass	

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No.	Test Item	Unit of measurement	Requirements of Standard (W P I)	Test Results	Individual Conclusion	Test based on	
8	Artificial ageing by long term exposure to elevated temperature (70°C, 168h)	The retention rate of tensile force (Longitudinal direction)	%	≥90	97	Pass	GB/T 23457-2009 5.23、5.8.1、5.15 GB/T 328.9-2007 GB/T 328.14-2007
		The retention rate of tensile force (Transverse direction)	%	≥90	109	Pass	
		The retention rate of elongation (Longitudinal direction)	%	≥80	115	Pass	
		The retention rate of elongation (Transverse direction)	%	≥80	103	Pass	
		Flexibility at low temperature	/	-13°C No crack	-13°C No crack	Pass	
9	The peel resistance between waterproof sheet and waterproof sheet	Non-treated	N/mm	≥1.0	1.1	Pass	GB/T 23457-2009 5.18 GB/T 328.20-2007
		Heat treated	N/mm	≥1.0	1.4	Pass	

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No.	Test Item		Unit of measurement	Requirements of Standard (W P I)	Test Results	Individual Conclusion	Test based on
10	Holding power	The upper surface	min	$\geq 15$	49	Pass	GB/T 23457-2009 5.20
		The bottom surface	min	$\geq 15$	47	Pass	
11	The peel resistance between waterproof sheet and cementmortar board	Non-treated	N/mm	$\geq 2.0$	2.1	Pass	GB/T 23457-2009 5.21
		Heat treated	N/mm	$\geq 1.5$	1.6	Pass	
12	The peel resistance between waterproof sheet and cementmortar board after soaking treatment		N/mm	$\geq 1.5$	1.8	Pass	GB/T 23457-2009 5.22
13	Total thickness		mm	$\geq 1.5$	1#: 1.52 2#: 1.51 3#: 1.52 4#: 1.52 5#: 1.51	Pass	GB/T 23457-2009 5.5
14	Area	20m <sup>2</sup>	%	$\geq 99$	1#: 101 2#: 100 3#: 101 4#: 100 5#: 101	Pass	GB/T 23457-2009 5.3

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No.	Test Item	Unit of measurement	Requirements of Standard (W P I)	Test Results	Individual Conclusion	Test based on
15	Visible defects	/	Should meet the standard requirements of Clause 4.2	1#~5#: Meet the standard requirements of Clause 4.2	Pass	GB/T 328.2-2007
Remarks	(Blank)					

===== THE END =====

国检集团

# 说 明

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