



中国认可  
国际互认  
检测  
TESTING  
CNAS L1417

No : 2018MA191

# 检 验 报 告

## T e s t i n g   R e p o r t

受 检 单 位 : 广州集泰化工股份有限公司  
 Submittal Company: Guangzhou Jointas Chemical Joint Stock Co., LTD.  
 样 品 名 称 : 安泰-建筑幕墙用硅酮结构密封胶168-25  
 Sample Name: Antas-168-25 Two-Part Silicone Structural Sealant For Curtain Wall  
 检 验 类 别 : 委 托  
 Testing Classification: Commission



国家建筑材料工业建筑防水材料  
 产品质量监督检验测试中心

Supervision & Testing Center of State Building Materials Industry for  
 Building Waterproofing Materials Product Quality

中国建材检验认证集团苏州有限公司

China Building Material Test & Certification Group Suzhou Co., Ltd.

二〇一八年七月五日

Jul.05.2018

**国家建筑材料工业建筑防水材料产品质量监督检验测试中心**  
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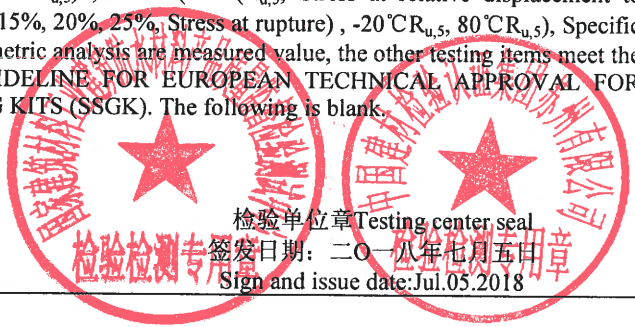
**检 验 报 告**  
**T e s t i n g   R e p o r t**


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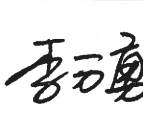
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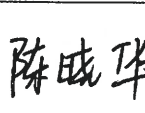
样品名称 Sample Name	安泰-建筑幕墙用硅酮结构密封胶168-25 Antas-168-25 Two-Part Silicone Structural Sealant For Curtain Wall	规格类型 Specification & Model	A: B=13.3: 1(W)
受检单位 Submittal Company	广州集泰化工股份有限公司 Guangzhou Jointas Chemical Joint Stock Co., LTD.	商 标 Trademark	安泰 antas
生产单位 Manufacturer	广州集泰化工股份有限公司 Guangzhou Jointas Chemical Joint Stock Co., LTD.	检验类别 Testing Classification	委托 Commission
委托方 Entrusting Party	广州集泰化工股份有限公司 Guangzhou Jointas Chemical Joint Stock Co., LTD.	原编号或生产日期 Original Mark or Production Date	A: 20180112 B: 20180115
样品状态 Sample State	膏状物, 完好 Paste, in good condition	样品数量 Sample Quantity	A: 5kg B: 0.5kg
到样日期 Received Date	2018-01-29	检测日期 Testing Date	2018-01-30~2018-07-05
检验依据 Testing Specification	ETAG 002-2012 《结构密封胶装配套件(SSGK)欧洲技术认证指南》 ETAG 002-2012 GUIDELINE FOR EUROPEAN TECHNICAL APPROVAL FOR STRUCTURAL SEALANT GLAZING KITS (SSGK)		
检验项目 Testing Item	拉伸粘结性、剪切性能、浸热水-光照后的粘结性、盐雾(NaCl)处理后的粘结性、酸雾(SO <sub>2</sub> )处理后的粘结性、外墙清洁产品处理后的粘结性、气泡、弹性恢复率、收缩性、抗撕裂性、机械疲劳、密封胶耐UV性能、密度、邵A硬度、热重分析 Tension, Shear, Immersion in water at high temperature with or without solar radiation, Humidity and NaCl atmosphere, Humidity and SO <sub>2</sub> atmosphere, Facade cleaning products, Gas inclusions, Elastic recovery, Shrinkage, Resistance to tearing, Mechanical fatigue, UV resistance of the sealant, Specific mass, Shore A hardness, Thermogravimetric analysis		
检验结论 Testing Conclusion	<p>样品经检验, 拉伸粘结性(23℃(K<sub>12.5</sub>, R<sub>u,5</sub>, 伸长率5%、10%、15%、20%、25%时的应力, 断裂应力, 伸长率)、-20℃R<sub>u,5</sub>、80℃R<sub>u,5</sub>)、剪切性能(23℃(R<sub>u,5</sub>, 伸长达到厚度的5%、10%、15%、20%、25%时的应力, 断裂应力)、-20℃R<sub>u,5</sub>、80℃R<sub>u,5</sub>)、密度、邵A硬度、热重分析结果为实测值, 其余所检项目符合ETAG 002-2012《结构密封胶装配套件(SSGK)欧洲技术认证指南》规定的要求。以下空白</p> <p>Tension(23℃(K<sub>12.5</sub>, R<sub>u,5</sub>, Stress at elongation of 5%, 10%, 15%, 20%, 25%, Stress at rupture, Elongation at rupture), -20℃R<sub>u,5</sub>, 80℃R<sub>u,5</sub>), Shear (23℃(R<sub>u,5</sub>, Stress at relative displacement to thickness of the substrate of 5%, 10%, 15%, 20%, 25%, Stress at rupture), -20℃R<sub>u,5</sub>, 80℃R<sub>u,5</sub>), Specific mass, Shore A hardness, Thermogravimetric analysis are measured value, the other testing items meet the requirement of ETAG 002-2012 GUIDELINE FOR EUROPEAN TECHNICAL APPROVAL FOR STRUCTURAL SEALANT GLAZING KITS (SSGK). The following is blank.</p>		
备注 Comment	/		
<p>以上测试样品及样品信息由客户提供。 The above testing samples and information were provided by the client.</p>			

材料检测



批准: 

审核: 

编报: 

## 检 验 报 告 附 页

## Appendix of Testing Report

样品名称: 安泰-建筑幕墙用硅酮结构密封胶168-25

Sample Name: Antas-168-25 Two-Part Silicone Structural Sealant For Curtain Wall

## 检 验 结 果

## T e s t i n g R e s u l t s

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序号 No.	项 目 Item		标 准 规 定 Standard Ordain	检 验 结 果 Testing Result	单 项 评 定 Individual Evaluation	
1	拉伸 粘结性 Tension	23℃	K <sub>12.5</sub>	—	1.91	/
			R <sub>u,5</sub> , MPa	—	0.98	/
			内聚破坏, % Cohesive failure	≥90	100	合格 Pass
			伸长率 5%时的应力 Stress at elongation of 5%, MPa	—	0.09	/
			伸长率 10%时的应力 Stress at elongation of 10%, MPa	—	0.18	/
			伸长率 15%时的应力 Stress at elongation of 15%, MPa	—	0.26	/
			伸长率 20%时的应力 Stress at elongation of 20%, MPa	—	0.32	/
			伸长率 25%时的应力 Stress at elongation of 25%, MPa	—	0.38	/
			断裂应力, MPa Stress at rupture	—	1.06	/
			伸长率, % Elongation at rupture	—	180	/
		-20℃	R <sub>u,5</sub> , MPa	—	1.44	/
			Δ X <sub>mean</sub>	≥0.75	1.46	合格 Pass
			内聚破坏, % Cohesive failure	≥90	100	合格 Pass
		80℃	R <sub>u,5</sub> , MPa	—	0.80	/
			Δ X <sub>mean</sub>	≥0.75	0.89	合格 Pass
内聚破坏, % Cohesive failure	≥90		100	合格 Pass		
备注 Comment		/				

主 检 Inspector: 沈玉华

填写日期 Fill in date: 2018-07-05

# 检 验 报 告 附 页

## Appendix of Testing Report

样品名称: 安泰-建筑幕墙用硅酮结构密封胶168-25

Sample Name: Antas-168-25 Two-Part Silicone Structural Sealant For Curtain Wall

# 检 验 结 果

## T e s t i n g R e s u l t s

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序号 No.	项 目 Item	标准规定 Standard Ordain	检验结果 Testing Result	单项评定 Individual Evaluation		
2	剪切性能 Shear	23 °C	R <sub>u,5</sub> , MPa	-	0.76	/
		内聚破坏, % Cohesive failure	≥90	100	合格 Pass	
		伸长达到厚度的5%时的应力 Stress at relative displacement to thickness of the substrate of 5%, MPa	-	0.04	/	
		伸长达到厚度的10%时的应力 Stress at relative displacement to thickness of the substrate of 10%, MPa	-	0.06	/	
		伸长达到厚度的15%时的应力 Stress at relative displacement to thickness of the substrate of 15%, MPa	-	0.08	/	
		伸长达到厚度的20%时的应力 Stress at relative displacement to thickness of the substrate of 20%, MPa	-	0.10	/	
		伸长达到厚度的 25%时的应力 Stress at relative displacement to thickness of the substrate of 25%, MPa	-	0.12	/	
		断裂应力, MPa Stress at rupture	-	0.85	/	
		-20 °C	R <sub>u,5</sub> , MPa	-	0.95	/
		Δ X <sub>mean</sub>	≥0.75	1.34	合格 Pass	
		内聚破坏, % Cohesive failure	≥90	100	合格 Pass	
		80 °C	R <sub>u,5</sub> , MPa	-	0.67	/
		Δ X <sub>mean</sub>	≥0.75	0.92	合格 Pass	
		内聚破坏, % Cohesive failure	≥90	100	合格 Pass	
		3	浸热水-光照后的粘 结性 (1000h) Immersion in water at high temperature with or without solar radiation (1000h)	Δ X <sub>mean</sub>	≥0.75	0.90
K <sub>12.5,C</sub> /K <sub>12.5</sub>	0.5~1.10			0.74	合格 Pass	
内聚破坏, % Cohesive failure	≥90			95	合格 Pass	
备注 Comment		/				

主 检 Inspector: 沈玉华

填写日期Fill in date: 2018-07-05

2018年7月11日

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## Appendix of Testing Report

样品名称: 安泰-建筑幕墙用硅酮结构密封胶168-25

Sample Name: Antas-168-25 Two-Part Silicone Structural Sealant For Curtain Wall

## 检 验 结 果

### T e s t i n g   R e s u l t s

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序号 No.	项 目 Item	标准规定 Standard Ordain	检验结果 Testing Result	单项评定 Individual Evaluation	
4	盐雾 (NaCl) 处理后的 粘结性 Humidity and NaCl atmosphere	$\Delta X_{mean}$	$\geq 0.75$	0.78	合格 Pass
		内聚破坏, % Cohesive failure	$\geq 90$	92	合格 Pass
5	酸雾 (SO <sub>2</sub> ) 处理后的粘 结性 Humidity and SO <sub>2</sub> atmosphere	$\Delta X_{mean}$	$\geq 0.75$	0.83	合格 Pass
		内聚破坏, % Cohesive failure	$\geq 90$	91	合格 Pass
6	外墙清洁产品处理后的 粘结性 Facade cleaning products	$\Delta X_{mean}$	$\geq 0.75$	0.87	合格 Pass
		内聚破坏, % Cohesive failure	$\geq 90$	90	合格 Pass
7	气泡 Gas inclusions	无明显气泡 Completely and without any air pockets	无明显气泡 Completely and without any air pockets	合格 Pass	
8	弹性恢复率 Elastic recovery	伸长变化率, % Elongation change rate	<5	4	合格 Pass
9	收缩性, % Shrinkage		<10	2	合格 Pass
10	抗撕裂性 Resistance to tearing	$\Delta X_{mean}$	$\geq 0.75$	1.04	合格 Pass
11	机械疲劳 Mechanical fatigue	$\Delta X_{mean}$	$\geq 0.75$	1.07	合格 Pass
		内聚破坏, % Cohesive failure	$\geq 90$	100	合格 Pass
12	密封胶耐 UV 性能 UV resistance of the sealant	伸长率 $\Delta X_{mean}$ Elongation	$\geq 0.75$	1.55	合格 Pass
		断裂应力 $\Delta X_{mean}$ Stress at rupture	$\geq 0.75$	0.89	合格 Pass
13	密度, g/cm <sup>3</sup> Specific mass	-	1.37	/	
14	邵 A 硬度 Shore A hardness	-	42	/	
15	热重分析 Thermogravimetric analysis	升温至900℃的累积失 重, % The percentage of cumulative losses up to 900℃	-	72	/
备注 Comment		/			

主 检 Inspector: 沈玉华

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