

Guangzhou Jointas Chemical Co., Ltd.

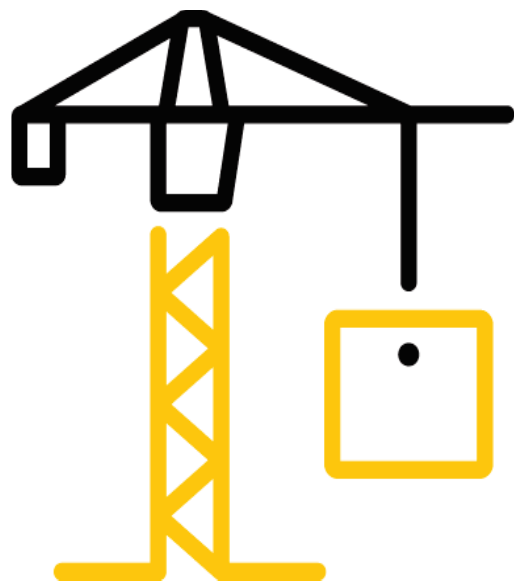
TEST REPORT

REPORT NUMBER
180930028GZU-003

FIRST ISSUE DATE
2019/6/12

REVISED DATE
2019/9/11

PAGES
5



Test Report

Issue Date: 2019/9/11 Intertek Report No. 180930028GZU-003

Applicant: Guangzhou Jointas Chemical Co., Ltd.

Applicant Address: 2&5 Floor, Building 6, No 62 Nanxiangyilu, High-Tech Industry Development Zone, Guangzhou 510663, China

Attn: Mr. Hu

SUBJECT: Performance testing
<<Silicone Structural Glazing Sealant For Curtain Wall>>

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS	
ASTM C1184-18(E1): Standard Specification for Structural Silicone Sealants	

SAMPLE ID	MODEL	SPECIFICATION
s180930028-003	Antas-168-25	Multicomponent; Component A: Volume: 189L, Color: White Component B: Volume: 18L, Color: Black Mixture ratio: 10(A):1(B)

SAMPLE RECEIVED: 2018/12/13
TESTED FROM: 2018/12/14 TO 2019/6/12

Test lab address: Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, Guangdong Province, China

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Test Items, Method and Results:

No.	Test Item	Test Parameter	Test Result	Verdict
1	Rheological Properties	<p>Test method: according to clause 8.1 of ASTM C1184-18(E1) and clause 8.4 of ASTM C639-15.</p> <p>Test temperature: 4.4°C and 50°C</p> <p>Requirement: Maximum vertical slump: 4.8mm Horizontal slump: No deformation</p>	<p>No vertical and horizontal slump was found after testing at both 4.4°C and 50°C.</p>	Pass
2	Extrudability	<p>Test method: according to clause 8.2 of ASTM C1184-18(E1) and ASTM C603-14.</p> <p>Volume of sample: 177ml Test pressure: 50 psi</p> <p>Requirement: Maximum time: 10s</p>	<p>Time to fully extrusion was 1.6 second.</p>	Pass
3	Hardness	<p>Test method: according to clause 8.3 of ASTM C1184-18(E1) and clause 7.1 of ASTM C661-15.</p> <p>Conditioning: 14 days at (23±2)°C and (50±10)% relative humidity; Durometer: Type A-2</p> <p>Requirement: Shore A: 20 to 60</p>	<p>Average hardness: 38HA</p>	Pass
4	Heat Aging	<p>Test method: according to clause 8.4 of ASTM C1184-18(E1) and ASTM C792-15.</p> <p>Conditioning: 21 days at (70±2)°C</p> <p>Requirement: Maximum weight loss: 10% None of cracking and chalking.</p>	<p>Average weight loss: 0.82%</p> <p>No cracking and chalking was found after testing.</p>	Pass

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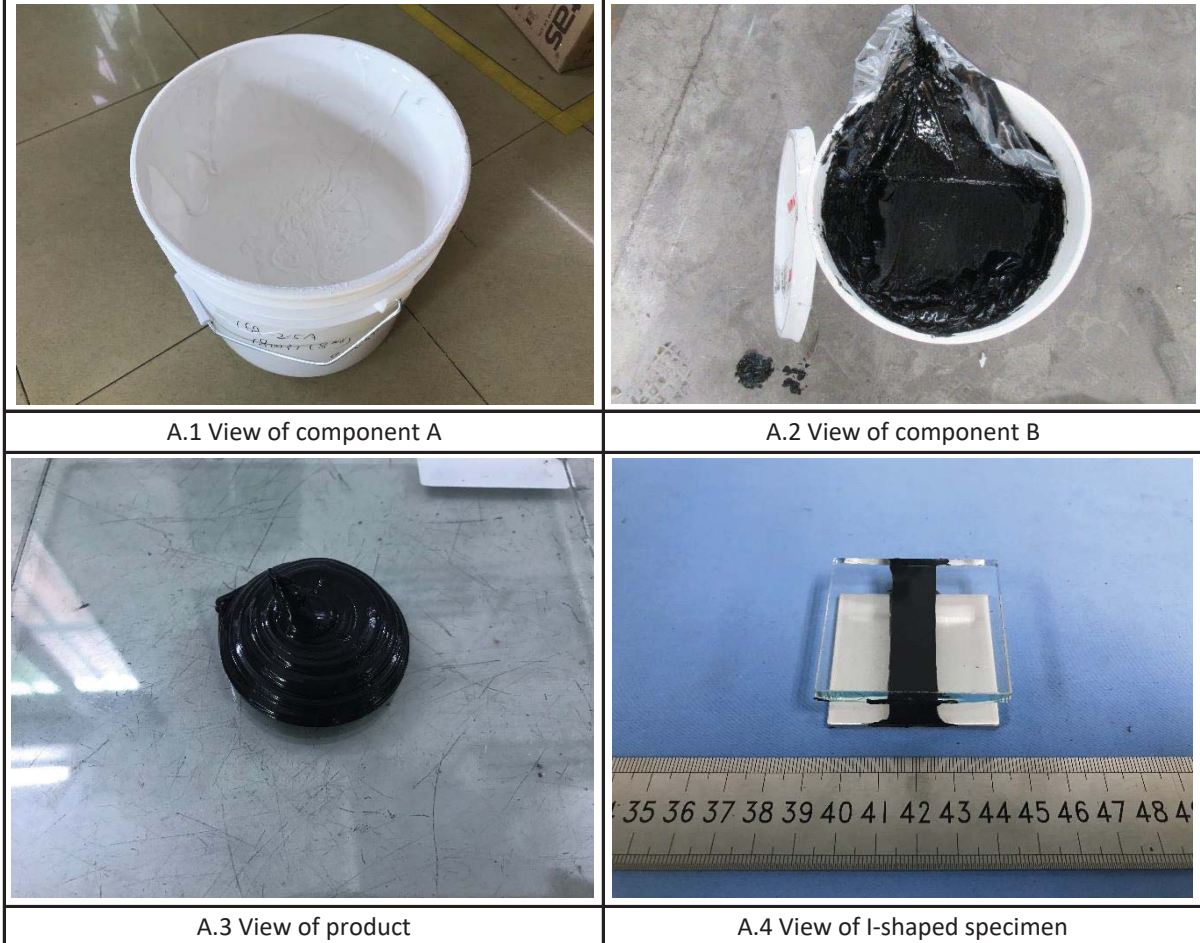
No.	Test Item	Test Parameter	Test Result	Verdict
5	Tack-Free Time	<p>Test method: according to clause 8.5 of ASTM C1184-18(E1) and ASTM C679-15.</p> <p>Requirement: Maximum time: 3h</p>	The Track-Free time was 45 minutes.	Pass
6	Tensile Adhesion	<p>Test method: according to clause 8.6 of ASTM C1184-18(E1) and ASTM C1135-15.</p> <p>Modified specimens: I-shaped; Substrate: Clear glass and Aluminium plate; Size of sealant: 50×12×12mm.</p> <p>Conditioning: 21 days at standard conditions: (23±2)°C and (50±10)% relative humidity, for initial curing period.</p> <p>1) Initial. 2) 1 hours at (88±5)°C and test at relevant temperature. 3) 1 hours at (-29±2)°C and test at relevant temperature. 4) Immerse in distilled water at (23±2)°C for 7 days. 5) 5000h Xenon Arc lamp exposure: Irradiance level of 0.51 W/(m²·nm) at 340 nm; 2h light followed by 2h light plus wetting; Black panel temperature: 70°C; Chamber air temperature: 48°C;</p> <p>Test speed: 50.8mm/min</p> <p>Requirement: Minimum value: 0.345MPa</p>	<p>Average tensile strength:</p> <p>1) 1.30 MPa, in 100% cohesive failue. 2) 0.92 MPa, in 100% cohesive failue. 3) 1.92 MPa, in 100% cohesive failue. 4) 1.23 MPa, in 100% cohesive failue. 5) 1.22 MPa, in 100% cohesive failue.</p>	Pass

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APPENDIX A: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Approved by:

Prepared by:

Jeff Deng

oliver zhu

Name: Jeff Deng

Title: Reviewer

Name: Oliver Zhu

Title: Project Engineer

Revision:

Report NO.	DATE	Revision Reason	Revision Summary	AUTHOR	REVIEWER
180930028GZU-003	2019/6/12	/	First issue	Oliver Zhu	Jeff Deng
180930028GZU-003	2019/9/11	Updated data	Add in test result after Xenon Arc lamp exposure	Oliver Zhu	Jeff Deng

End of Test Report