TEST REPORT

No. : SHCCM151103400
Date : Nov. 18, 2015
Page: 1 of 4

HANGZHOU JINMENG ROAD ESTABLISHMENT CO., LTD
FANGYUAN INDUSTRIAL PARK, YUQIAN TOWN, LIN'AN CITY, HANGZHOU CITY, ZHEJIANG PROVINCE, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name	:	COMPOSITE MANHOLE COVER
Sample Number	:	SHCCM151103400
Test Required	:	Please see the next page(s)
Test Method	:	Please see the next page(s)
Product specification	:	A80-C/O 600×900
Product or Lot No.	:	JM-MS210A
Manufacturer	:	HANGZHOU JINMENG ROAD ESTABLISHMENT CO., LTD
Material and Mark	:	SMC
Date of Receipt	:	Nov. 02, 2015
Test Period	:	Nov. 02, 2015 to Nov. 18, 2015
Test result(s)	:	For further details, please refer to the following page(s)

******** To be continued********

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd.

Joyce Li

Joyce Li
Authorized signatory

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TEST REPORT

I. Load test

Load class: 80kN

Product dimensions: 1040mm×740mm (length×width)

Test method: With reference to EN 124:1994 Gully tops and manhole tops for vehicular and pedestrian areas — Design requirements, type testing, marking, quality control and client's requirement

Test result:

Clause	Test Requirement	Test Result
8	Testing	
8.3.1	Measurement of permanent set of the cover or grating after the application of 2/3 of the test load (53.3kN)	See Appendix A.1
8.3.2	Application of the test load (80kN)	See Appendix A.2

Appendix A: Detail test result of load test

1. Measurement of permanent set of the cover or grating after the application 2/3 of the test load.

The load applied at a rate of 3kN/s up to 2/3 of the test load on the specimen through a test block, then released the load. This procedure shall be carried out five times. The permanent set shall then be determined as the difference of the measured readings before the first and after the fifth loading.

2/3 Test load	Specimens	Permanent set(mm)
53.3kN	No.1	0.58
	No.2	0.89
	No.3	0.74

Remark: Clear opening (CO) = 603mm

******** To be continued********

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2. Application of the test load

Immediately after the test according to 8.3.1, the load shall be applied at the same rate up to the test load, and maintained for 30s. Units shall not show cracks in the course of the whole test.

Test load	Specimens	Test result
80kN	No.1	No crack
	No.2	No crack
	No.3	No crack

II. Water ingress test

Test method: Fabricated access covers trade association (FACTA) Specification for fabricated access covers

Test result:

Test item	Test result	Requirement	Verdict
Water ingress test	No leakage	A measured water leakage throughout the test shall not exceed 5ml/m of seal in a 24 hour test period	Pass

Statement: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

******** To be continued********

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Sample photos:



Front view



Back view

******** End of report ********

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