TEST REPORT

No. : HZIN1507000762ML
Date : Jul 29, 2015

CUSTOMER NAME: HANGZHOU JINMENG ROAD ESTABLISHMENT CO.,LTD.
ADDRESS: FANGYUAN INDUSTRIAL PARK, YUQIAN TOWN, LIN'AN CITY, HANGZHOU, ZHEJIANG, P.R. CHINA

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

Sample Name	:	Small Samples of Composite Manhole Cover
SGS Ref. No.	:	HZIN1507000762ML
Manufacturer	:	HANGZHOU JINMENG ROAD ESTABLISHMENT CO.,LTD.
Test Required	:	Slip resistance (oil-wet ramp test), Surface Resistance and Surface Resistivity
Date of Receipt	:	Jul 15, 2015
Testing start date	:	Jul 15, 2015
Testing end date	:	Jul 29, 2015
Test result(s)	:	For further details, please refer to the following page(s)

Signed for
SGS-CSTC Standards Technical Services Co., Ltd.Hangzhou Branch

White. Gao

White Gao
Authorized signatory

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

TEST REPORT

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

1. Slip resistance (oil-wet ramp test):

Test method: AS 4586-2013 Slip resistance classification of new pedestrian surface materials Appendix D & client's requirement

Test Result:

Test item(s)	Test result(s)	Classification
Slip resistance (oil-wet ramp test)	Critical angle of inclination: 12.8°	R10

Appendix A: Classification of oil-wet ramp test

Classification	Correct mean overall acceptance angle(α_{ave}), degrees
No classification	<6
R9	≥6<10
R10	≥10<19
R11	≥19<27
R12	≥27< 35
R13	≥35

Remark: The test shoes were adopted the specification conformed to DIN 51130:2014-02 as per client's agreement.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

TEST REPORT

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

2. Surface Resistance and Surface Resistivity:

Test Method: IEC 60093:1980

Test Condition:

Precondition: 23 ± 2 °C, 50 ± 5 %RH, 48 h

Test condition: 23 ± 2 °C, 50 ± 5 %RH

Test electrode diameter: 50 mm

Gap width: 10.0 mm

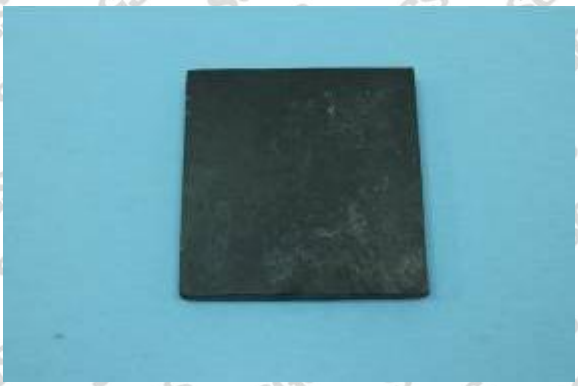
Test voltage: 500 Vdc

Electrification time: 1 min

Test Result:

Test item	Test Result
Surface Resistance	1.7×10^{14} Ω
Surface Resistivity	3.3×10^{15} Ω/sq

Sample photos:

	
Sample for Slip resistance	Sample for Surface Resistance and Surface Resistivity

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd. Hangzhou Branch Material Laboratory.
HZML
No.8 Building, Huaye Hi-Tech Zone, No.1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China 310052 t (86-571)86790460 f (86-571)86790356 www.sgsgroup.com.cn
中国·浙江·杭州·滨江区滨安路1180号华业高科技产业园8号楼 邮编: 310052 t (86-571)86790460 f (86-571)86790356 e sgs.china@sgs.com