

TEST REPORT

No. : TJIN1811016213SC

Date : Nov 28, 2018

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CUSTOMER NAME: ANPING DB METAL FENCING CO.,LTD
ADDRESS: A-001 HUAFU INDUSTRIES ZONE RAOYANG COUNTY HENGSHUI
CHINA

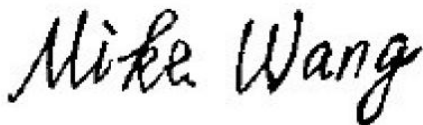
Sample Name : TEMPORARY FENCE PANELS
Product Specification : OD32mm*1.4mm 2100mm*2400mm
Product or Lot No. : DB FENCING - TEMP FENCE 20181128
Manufacturer : ANPING DB METAL FENCING CO.,LTD
Buyer : SCAFEST
Material and Mark : Q235
Other Information : ANPING DB METAL FENCING CO.,LTD
A001 HUAFU INDUSTRIES ZONE RAOYANG COUNTY HENGSHUI

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : SHIN181103237CCM
Date of Receipt : Nov 08, 2018
Testing Start Date : Nov 08, 2018
Testing End Date : Nov 28, 2018
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Mike Wang
Authorized signatory



Mike Wang



SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.
Materials Laboratory

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Summary of Result(s):

| No. | Test Item | Test Method | Result | Conclusion |
|-----|----------------------------|---------------------------|------------|------------|
| 1 | Simulated climbing test | AS 4687-2007 Clause 4.2 | See result | Pass |
| 2 | Impact test | AS 4687-2007 Clause 4.3 | See result | Pass |
| 3 | Infill aperture width test | AS 4687-2007 Clause 4.4.2 | See result | Pass |
| 4 | Infill downward load test | AS 4687-2007 Clause 4.4.3 | See result | Pass |

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 /: Not Apply to the judgment.

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Sample information:

Fence panel: 2400mm×2100mm (Length × Height)

Infill: ϕ 3.0mm× 157mm×60mm×(Height ×Width)Tube of frame: ϕ 32mm×1.4mm (Wall thickness)

Base plate: 600mm×240mm (Length ×Width), 27kg

Test method: AS 4687-2007 Temporary fencing and hoardings

Test result (Please see Annex A test schematic diagram for details):

| Test clause | Test item | Test principle & requirements | Test result | Conclusion |
|-------------|-------------------------|--|---|------------|
| 4.2 | Simulated climbing test | A temporary fence panel assembly consisting of three (3) continuous panels shall be tested. It shall be capable of supporting a 65kg load applied centrally to the middle of the assembly, top horizontal frame member at a lever arm of 400mm. The test load shall be maintained for a period of 3 min. | The sample was not overturn and base plates were not cocked, the sample was capable of supporting the load during test. | Pass |
| 4.3 | Impact test | An impact test shall be performed to test the robustness of the fence panel and its ability to withstand an impact force on the fence mesh or wire. A temporary fence panel assembly consisting of 1 panel shall be tested. It shall be capable of withstanding a 150j impact from 37kg, 150mm diameter torispherically shaped indenter (see Figure 4.3). For each test position the fence panel shall not- (a) show signs of penetration of the infill | All 4 points didn't show any signs of penetration, cracking or overturn, all 4 points' dynamic deflection not exceeded 300mm during test. | Pass |



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| Test clause | Test item | Test principle & requirements | Test result | Conclusion |
|-------------|----------------------------|---|---|------------|
| | | <p>material;</p> <p>(b) no signs of failure between connecting materials and support frame;</p> <p>(c) no signs of cracking or fractures on panels framework;</p> <p>(d) overturn due to impact; and</p> <p>(e) Not exceed a dynamic deflection of 300mm at the point of impact.</p> | | Pass |
| 4.4.2 | Infill aperture width test | Temporary fence panel infill material shall have a maximum horizontal, clear aperture dimension of 75mm. when tested in accordance with Figure 4.4(a), a 76mm×76mm cube shaped block shall not pass through the openings of the infill material. | The maximum horizontal, clear aperture dimension is 60mm, the 76mm×76mm cube shaped block could not pass through the openings of the infill material. | Pass |
| 4.4.3 | Infill downward load test | When test in accordance with Figure 4.4(b) or Figure 4.4(c), a load of 1.0kN shall be applied and maintained for a minimum period of 60 seconds. When measured at the point of load and after 55 seconds have elapsed, the downward deflection of the infill material (max) shall not exceed 35mm. | The downward deflection in accordance with Figure 4.4(b) is 18mm and the downward deflection in accordance with Figure 4.4(c) is 2mm | Pass |



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Annex A Test schematic diagram

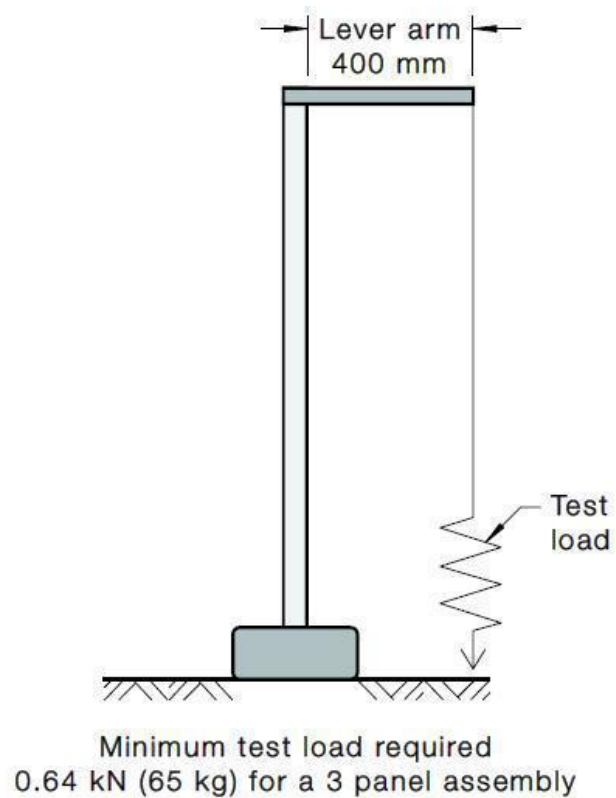


FIGURE 4.2 SIMULATED CLIMBING TEST

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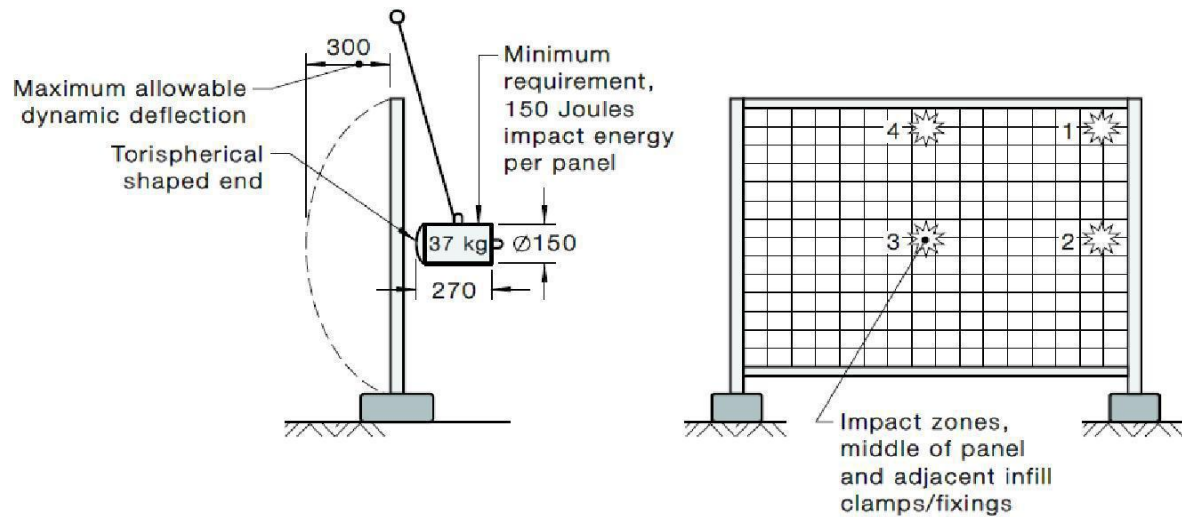


FIGURE 4.3 IMPACT TEST

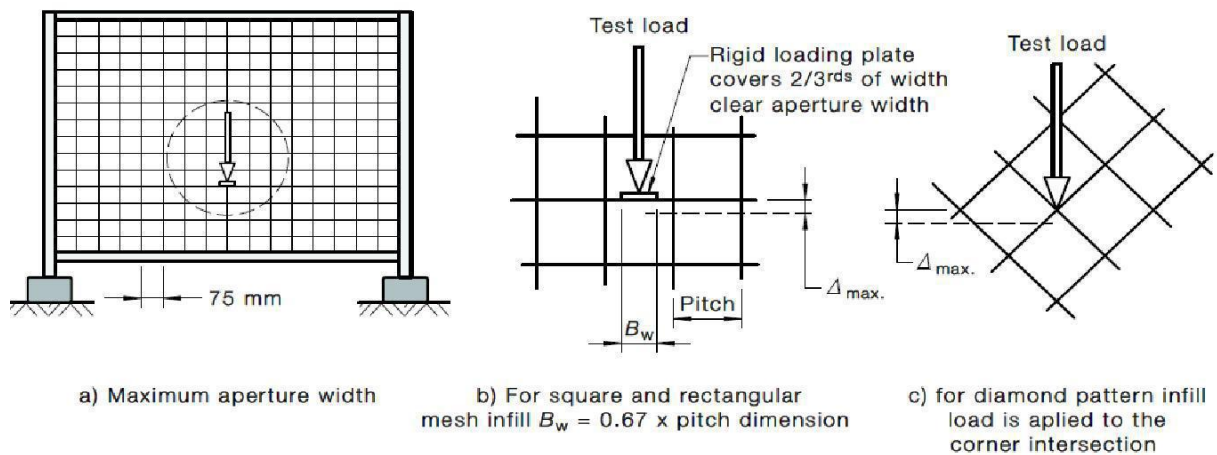


FIGURE 4.4 APERTURE TEST





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Sample photos:

| | |
|--|---|
|  |  |
| <p>Simulated climbing test</p> | <p>Impact test</p> |
|  |  |
| <p>Square and rectangular mesh infill test</p> | <p>Diamond pattern infill load test</p> |

Note:The above test was subcontracted.

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