

11 August 2014

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Lab Ref No. 103/14  
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## LOAD TESTING OF GRATES

<b>Description:</b>	Powder Coated Grate - G208 CF <i>Cross-flo</i> grate for 200mm wide drain
<b>Manufacture Date:</b>	2014
<b>Place of manufacture:</b>	China
<b>Metal Type:</b>	Ductile Iron
<b>Clear Opening Size:</b>	138mm
<b>Testing Standard:</b>	AS3996-2006 - Appendix C - Class E
<b>Test Block Size/Shape:</b>	75 x 250mm
<b>Testing Equipment:</b>	Shimadzu REH100TV Universal Testing Machine complying with Class 1 of International Standard EN ISO 7500-1:2004.
<b>Test Results:</b>	Testing carried out at Opus International Consultants Albany Laboratory on 11/08/14.
<b>Permanent Set Measured</b>	0.38 mm
<b>Permanent Set Permissible</b>	1.00 mm
<b>Maximum Deflection at Serviceability Load</b>	2.02 mm
<b>Maximum Permissible Deflection at Serviceability Load</b>	3.07 mm
<b>Applied Test Load</b>	400 kN
<b>Maximum Applied Load</b>	400 kN (Not tested to failure)

**Conclusion:** **Product as tested complies with the requirements of the standard**

**Tested by:** D Hotham   
Assistant Laboratory Manager/QA Manager

**Date:** 11/08/14