

ABT Inc.
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CONTACT: CHARLES GUNTER
DATE: 2/14/2008
P.O. NO.: CG-1010T
W/O NO.: ABT002-02-11-19100-1

2 Pheasant Run
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USA
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CERTIFICATION OF TESTING
ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT

NEENAH PART NUMBER: 1200-HD
PART DESCRIPTION: CAST SLOTTED GRATE
TRENCH WIDTH: 12.0 in

PART WIDTH: 15.63 in
PART LENGTH: 19.45 in
PART THICKNESS: 2.68 in



TEST PROCEDURE: Modified AASHTO M306-05 with trench width compensation
TEST BLOCK DIMENSIONS: 9 in Wide x 9 in Long x 1 in Thick (81 in²) Centered on the grate
BUFFER MATERIAL: 7/8 in thick oriented strand board (same dimension as test block)
SETTLING LOAD: 50% of proof load, remove load, zero deflection setting
PROOF LOAD TEST: Load for 60 sec., remove, measure permanent deflection, inspect for cracks
PROOF APPROVAL CRITERIA: No cracks and maximum 1% of trench width permanent deflection

Sample #	Proof Pressure (PSI)	Proof Load (LBS)	Allowed Deflection (in)	Actual Deflection (in)	Test Results (Pass/Fail)
1	300	24,300	0.120	0.0000	Pass
2	300	24,300	0.120	0.0000	Pass

Sample #	Proof Pressure (PSI)	Proof Load (LBS)	Allowed Deflection (in)	Actual Deflection (in)	Test Results (Pass/Fail)
1	600	48,600	0.120	0.0002	Pass
2	600	48,600	0.120	0.0006	Pass

Sample #	Proof Pressure (PSI)	Proof Load (LBS)	Allowed Deflection (in)	Actual Deflection (in)	Test Results (Pass/Fail)
1	1,235	100,035	0.120	0.0003	Pass
2	1,235	100,035	0.120	0.0018	Pass

Sample #	Ultimate Pressure (PSI)	Ultimate Load (lbs)
1	3,870	313,304
2	4,445	359,892

 <p>0478-1 0478-2</p>	Respectfully submitted
	 Ilene Landis Quality Administrator
The analysis reported on this certification has been performed in accordance with Stork MMA Quality Manual, 3 rd Edition Rev. 0 Dated 04/30/07 and related procedures. The samples tested or inspected on this Certification are Certified only for the testing performed. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes including Federal Law, Title 18, Chapter 47.	
Stork Materials Testing and Inspection is an operating unit of Stork materials Technology B.V., Amsterdam, The Netherlands, which is a member of the Stork group	

Material Testing and Non-Destructive Testing

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Testing performed as follows:

1. Place grate in press and place load contact members and deflection gage.
2. Clamp grate in press at minimal pressure. Zero permanent deflection gage.
3. Load grate to 300 psi and hold for 60 seconds and release pressure.
4. Read permanent deflection at 300 psi. Zero gage.
5. Load grate to 600 psi and hold for 60 seconds and release pressure.
6. Read permanent deflection at 600 psi. Zero gage.
7. Load grate to 1235 psi and hold for 60 seconds and release pressure.
8. Read permanent deflection at 1235 psi. Remove deflection gage.
9. Load grate to ultimate load.

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