



STAKKAbOX ULTIMA 1500mm x 750mm : EN124 CLASS E600 60 TONNES

Bodycote MATERIALS TESTING DAVENTRY
METAL TECHNOLOGY

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TEST CERTIFICATE

C4 Industries Ltd
Yardley Road
Knowsley Road
Kirkby
Liverpool
L33 7SS

Ref No. N002559/4
Order No. N/A

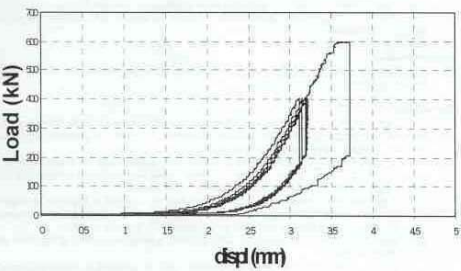
Date Tested: 23/05/02
Date Reported: 15/06/02

ITEM: **1500 x 750mm Stakkabox Ultima Chamber.** Consisting of 5 similar rectangular interlocking sections resulting in a total assembled chamber height of 760mm. Given a Bodycote ref T31484.

SPECIFICATION: Tested to the load levels indicated in the BS EN124 for class E600 gully and manhole tops. *Note that BS EN124 is specifically for manhole and gully tops and as such no pass/fail criteria can be applied to this component. The method of transferring load into the component is specific to this component and does not follow the requirements of the BS EN124. The results of these tests in no way infer approval or otherwise to the requirements of the standard.*

RESULT:				
Sample	2/3 test load Five times (kN)	Max test load for 30 seconds (kN)	Displacement difference 1 st to 5 th load (mm)	Displacement at max test load (mm)
T31484	400	-	0.18	-
T31484	-	600	-	>3.5

Loaded 5 times to 400kN once to 600kN and held for 30s.




COMMENTS:

The test sample achieved the cyclic loading with no visible detriment to its condition. The maximum permanent set permissible for a manhole cover or grating based upon BS EN124 is stated as 1/300 x minimum clear opening i.e. 2.5mm. The maximum permanent set seen here (0.18mm) does not represent a significant contribution to this level. Buckling load was determined by an indicated change in the load / displacement slope. This sample had previously been used to test to B125 and D400 conditions. Further information detailing the method of test for this and other samples are given in Bodycote report ref:2559/1.

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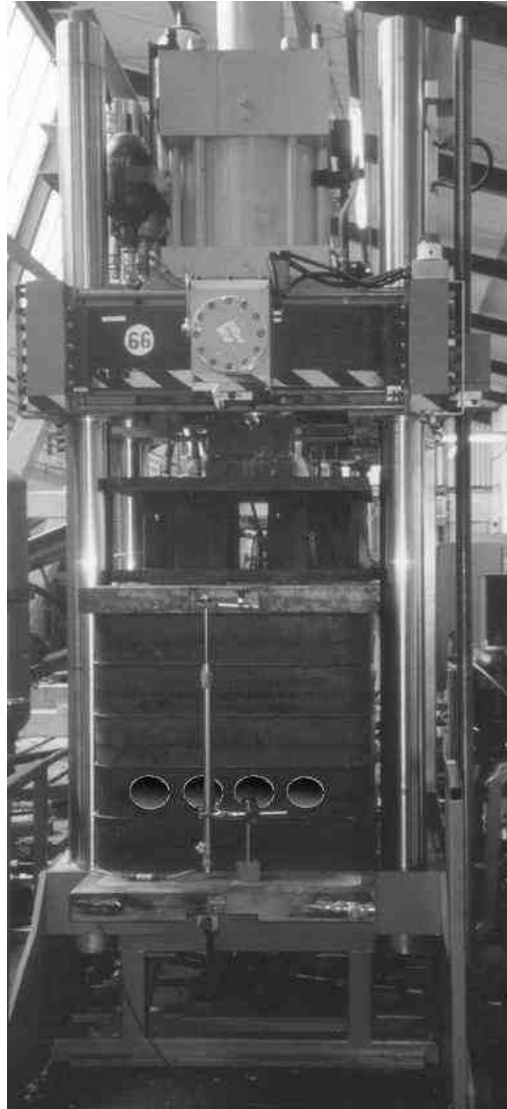
Tested By L.E.David
Reported By L.Best

Signed  **L. C. BEST**
Senior Project Engineer

Bodycote Materials Testing Ltd

ISSUED UNDER NAMAS REGISTRATION 0087. Accreditation granted by UKAS (United Kingdom Accreditation Service). Certified that the samples have been tested in accordance with the contract/order applicable thereto and with the requirements of the standard/conditions quoted herein. The quality control arrangements adopted have accorded with the conditions of the National Accreditation of Measurement and Sampling (NAMAS). This does not guarantee the bulk of the items/material to be of equal quality.

The contents of this report are governed by the terms and conditions overleaf



**STAKKAbox ULTIMA CHAMBER 1500mm x 750mm
UNDER VERTICAL LOADING**