



Test Report



Report No	285/4473112	This Report consists of 3 pages
Client	Fibrelite Composites Limited Snaygill Industrial Estate Keighley Road Skipton North Yorkshire BD23 2QR	
Authority & date	Client's Purchase Order No 2054 dated 27 August 2003. Equipment No 10052816	
Item tested	Composite Manhole Top	
Specification	To the principles of BS EN 124:1994 Clauses 8.3.1 and 8.3.2 only Independent Test	
Results	See Summary of Results on Page 2	
Prepared by	R M Lewsley 	Test Engineer
Authorized by	D T Gall 	Principal Engineer
Issue Date	22 October 2003	
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of <i>PS082</i> 'General conditions relating to acceptance of testing'. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the General Manager, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

TESTING, EXAMINATION AND ASSESSMENT OF A COMPOSITE MANHOLE TOP SUBMITTED AS AN INDEPENDENT TEST SAMPLE

INTRODUCTION

At the request of Fibrelite Composites Limited the composite manhole top detailed below, received on 17 September 2003, was tested to the principles of BS EN 124:1994 clauses 8.3.1 and 8.3.2 only as detailed on the following page of this Report. This request was made on the Client's Purchase Order No 2054 dated 27 August 2003.

This Report only relates to the actual sample which has been tested and assessed. The results obtained do not necessarily relate to samples from the production line and in no way imply that the performance or quality of the continuing production will be maintained.

The tests and assessments contained in this Report were undertaken by BSI Product Services, Engineering Laboratory, on 7 October 2003.

TEST ITEM

Sample No	Class	Manufacturer's Code	Component Description	Nominal clear opening (mm)
1	D400	FL140	Manhole top	700 x 1400

SUMMARY OF RESULTS

See page 3 for details of the testing undertaken.
The unit cracked at a load of 360kN.

The potential variability in both the items tested and the method of measurement used means that for measurements close to a specified limit the level of confidence in a compliance statement may or may not be reduced.

Further advice on the specific measurements in this report that may be affected can be obtained from the report authoriser shown on the front cover.

SAMPLE NO 1**BS EN 124:1994****COMPONENT DESCRIPTION:** CLASS D400, TYPE FL140
Manhole top (cover and frame)**EXAMINATION AND TEST**

Note. The frame was tested with a steel supporting structure which restrained the outside of the frame, as provided by the client.

CLAUSE**ASSESSMENT****8. TESTING**

8.3.1 Measurement of permanent set of the cover or grating after the application of 2/3 of the test load (267 kN)

	Specified	Actual	
Permanent set (mm)	2.33 max	0.87	-

For information

Clear opening (mm)		700 x 1402	-
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8.3.2 Application of the test load

The unit was not capable of withstanding a test load of 400 kN without cracking. The cover cracked at 360kN.

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