

BRITISH BOARD OF AGRÉMENT TEST REPORT No 2521

Durakerb - Plastic Kerbs

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Approved by:
(Deputy Head of Tests Services)

Authorised by:
(Head of Test Services)

Date:

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On behalf of the British Board of Agrément

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Client: Durakerb Ltd
Old House
Gorely Lane
Coleshill
Birmingham B46 1SW

Job No: T1/36030

Report by: Test Services

Work period: March 2005

1 INTRODUCTION

The tests reported here were commissioned by Durakerb Ltd to examine the performance of Durakerb plastic kerbs. Refer to purchase orders dated 24 February and 4 March 2005.

2 SAMPLES

BBA ref/batch	Quantity	Description
T1/36030/1	2	Plastic kerb sections, 10 mm wall – as currently moulded. Ribs 10 mm to 6 mm.

Specimens were supplied by Durakerb Ltd and described as above.

3 UNPOLISHED SLIP RESISTANCE VALUE

3.1 Method

In accordance with BS EN 1340 : 2003, *Concrete kerb units - Requirements and test methods* : Annex 1 - *Method for the determination of unpolished slip resistance value (USRV)*. Except that the specimens were not immersed in water prior to test.

Two specimens were tested with the surface sprayed with water. Photograph 1 demonstrates the equipment set up used.

3.2 Results

Specimen	Unpolished Slip Resistance Value	
	Direction A	Direction B
1	33.6	33.0
2	34.0	36.7
Mean	33.3	35.3
Overall mean	34.3	

Note: Direction A - With front of kerb facing you the slider swings from right to left.
 Direction B - With rear of kerb facing you the slider swings from right to left.



Photograph 1. Skid resistance test.

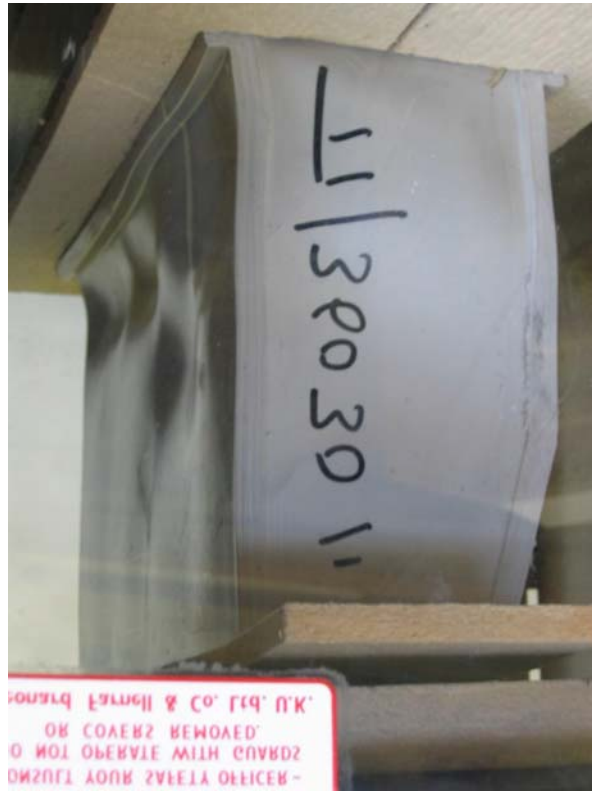
4 COMPRESSIVE STRENGTH

4.2 Method

In accordance with BS 6073 – 2 : 1981 *Precast concrete masonry units - Method for specifying precast concrete masonry units* Appendix B. Two specimens were tested.

4.2 Results

Specimen	Length (mm)	Width (mm)	Area (mm ²)	Max Load (kN)	Compressive strength (N mm ⁻²)	Observations
1	313	85.0	26605	176.2	6.62	Deformation of support walls and ribs but no cracks occurred.
2	320	84.0	26987	177.3	6.57	
Mean	317	84.5	26796	176.8	6.60	



Photograph 2. Distortion during compressive strength test.



Photograph 3. Distortion of internal rib supports after compressive strength.