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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 1/05

COMMUNICATION CONCERNING THE TYPE APPROVAL GRANTED OF A TYPE OF FRONTAL PROTECTION SYSTEM AS A SEPARATE TECHNICAL UNIT WITH REGARD TO DIRECTIVE 2005/66/EC

Type-approval number: e11*2005/66*0009*00

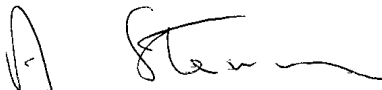
Reason for extension: Not applicable

SECTION I

- 0.1. Make (trade name of manufacturer): Concept Mouldings Ltd
- 0.2. Type and general commercial description(s): Large. Endura FPS
- 0.3. Means of identification of type if marked on the frontal protection system: Not applicable
 - 0.3.1. Location of that marking: Not applicable
- 0.5. Name and address of manufacturer:
Concept Mouldings Ltd
63 Major Street
Wolverhampton
WV2 2HX
United Kingdom
- 0.7. Location and method of the affixing of the EC type-approval mark: Moulded into upright member of Frontal protection system
- 0.8. Assembly plant address(es): As 0.5 above



SECTION II

1. Additional information: See Addendum
2. Technical service responsible for carrying out the tests: Vehicle Certification Agency
3. Date of test report: 1 March 2007
4. Number of test report: ESG175011
5. Remarks (if any): See Addendum
6. Place: BRISTOL
7. Date: 24 APRIL 2007
8. Signature:  A. W. STENNING
Product Certification
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

ESG175011



Addendum to EC type-approval certificate No e11*2005/66*0009*00

concerning the type approval of a frontal protection system with regard to Directive 2005/66/EC

1. Additional information:
 - 1.1. Method of attachment: See manufacturer's documentation
 - 1.2. Assembly and mounting instructions: See manufacturer's documentation
 - 1.3. List of vehicles on which the frontal protection system may be fitted, any usage restrictions and necessary conditions for fitting: Ford Ranger 2006 model year -
2. Remarks: None
3. Annex I, paragraph 3, test results

Test	Values recorded		Pass/fail
Lower Legform to Frontal Protection System — three test positions (where performed)	Bending angle	Not applicable Degrees	Not applicable
	Shear displacement	Not applicable mm	Not applicable
	Acceleration at tibia	Not applicable g	Not applicable
Upper Legform to Frontal Protection System — three test positions (where performed)	Sum of impact forces	7.03 8.24 8.22 kN	Pass
	Bending moment	469 557 525 Nm	Pass
Upper Legform to Frontal Protection System Leading Edge — three test positions (monitoring only)	Sum of impact forces	5.47 6.60 5.46 kN	Monitoring only
	Bending moment	384 307 398 Nm	Monitoring only
Child/Small Adult Headform (3,5 kg) to Frontal Protection System	HPC values (at least three values)	651 409 618	Pass



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INFORMATION PACKAGE CONTENTS

INDEX

REVISION NUMBER: Not applicable

Total number of sheets:	3 (Three)
Number of separate drawings:	0 (Nil)
Number of separate photographs:	0 (Nil)

Reasons for Revision: Not applicable

ESG175011

Revision date
&
Office stamp



Information Document

Relating to EC type approval of frontal protection systems as separate technical units 2005/66/EC

0. GENERAL

- 0.1 Make (trade name of manufacturer)
Concept Mouldings Ltd
- 0.2 Type and General Commercial description
Large FPS
- 0.5 Name and Address of manufacturer
Concept Mouldings Ltd, 63 Major Street,
Wolverhampton. WV22HX
- 0.7 Location and Method of affixing of the EC type-approval mark
EC type approval mark to be moulded into product and located behind upright member so still visible when fitted. Appendix 1

1. Description of the Device

- 1.1 Detailed technical description (including photographs or drawings)
Large Endura is a Frontal Protection System, which consists of a composite armature made from Steel and Energy Absorbing polyurethane foam. This armature is then coated in integral skin polyurethane foam.
Appendix 2 shows Frontal and side view.
Appendix 3 shows infill mouldings
- 1.2 Assembly and mounting instructions including required torque
Appendix 4a shows assembly and fitting instructions.
- 1.3 Listing of vehicle Type to which it may be fitted
Ford Ranger 06-On MY
- 1.4 Any restrictions of use and conditions for fitting
Not applicable.

Appendix 1



View on Back of Endura



Close up of ID area

Appendix 2



Front View



Side View

Appendix 3

Infill mouldings

