VOLUME 0 MODEL CONTRACT

DOCUMENT FOR MAJOR

ROADWORKS AND IMPLEMENTATION REQUIREMENTS

SECTION 3 ADVICE NOTES

PART 1

SA 1/01 - AMENDMENT NO 1

LISTS OF APPROVED/REGISTERED PRODUCTS

SUMMARY

This document lists products which have obtained Statutory Type Approval or registration in order that they can be used in the construction of trunk roads.

INSTRUCTIONS FOR USE

- Insert replacement pages listed on the Amendment Sheet (Amendment No 1 November 2002).
- 2. Remove the corresponding existing pages, which are superseded by this amendment and archive as appropriate. (Advice in archiving is given in Advice Note SA 4/01.)
- 3. Enter details of Amendment No 1 dated November 2002 on the Registration of Amendments Sheet, sign and date to confirm that the amendment has been incorporated.
- 4. Archive this sheet as appropriate.

Note: A quarterly index with a full set of Volume Contents Pages is available separately from The Stationery Office Ltd.



AMENDMENT TO SA 1/01 – NOVEMBER 2002

Instruction Sheet

Section	Revision
Front Sheet	Replace with new Front Sheet
Contents Sheet	Replace with new Contents Sheet
Chapter 2	Replace page 2/1 - 2/2 with new pages 2/1 - 2/2
Chapter 4	Replace pages 4/1 - 4/2 with new pages 4/1 to 4/2
Annex B	Replace pages B/1 - B/6 with new pages B/1 - B/8
Annex C	Replace pages C/5 - C/6 and C/9 - C/20 with new pages C/5 - C/6 and C/9 - C/20



THE HIGHWAYS AGENCY



SCOTTISH EXECUTIVE DEVELOPMENT DEPARTMENT



WELSH ASSEMBLY GOVERNMENT LLYWODRAETH CYNULLIAD CYMRU



THE DEPARTMENT FOR REGIONAL DEVELOPMENT NORTHERN IRELAND

Lists of Approved/ Registered Products

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Summary:

This document lists products which have obtained Statutory Type Approval or registration in order that they can be used in the construction of trunk roads.

REGISTRATION OF AMENDMENTS

			_		
Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments
				4	
			? -		

REGISTRATION OF AMENDMENTS

		1	_		
Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments
No		incorporation of amendments	No		incorporation of amendments

VOLUME 0 MODEL CONTRACT

DOCUMENT FOR MAJOR

ROAD WORKS AND IMPLEMENTATION REQUIREMENTS

SECTION 3 ADVICE NOTES

PART 1

SA 1/01 - AMENDMENT NO 1

LISTS OF APPROVED/REGISTERED PRODUCTS

Contents

Chapter

- 1. Introduction
- 2. Procedure for Inclusion in Lists
- 3. References
- 4. Enquiries

Lists of Products

Annex A: Statutory Type Approval

Annex B: Type Approval

Annex C: Registration

1. INTRODUCTION

- 1.1 The Specification for Highway Works (SHW), which forms Volume 1 of the Manual of Contract Documents for Highway Works (MCHW 1), requires certain work, goods or materials (products) to have obtained Statutory Type Approval, Type Approval or Registration before they can be used in the construction of trunk roads including motorways. Annex A of SD 1 (MCHW 0.2.1) lists such products.
- 1.2 Statutory Type Approval is granted by the Secretary of State for the Overseeing Organisation while Type Approval/Registration is granted by the Overseeing Organisations. This Advice Note lists products which have obtained:
- Statutory Type Approval at Annex A (in Northern Ireland Type Approval applies in place of Statutory Type Approval);
- b) Type Approval at Annex B; and
- c) Registration at Annex C.
- 1.3 This Advice Note supersedes SA 1/98 which is hereby withdrawn.
- 1.4 Unless otherwise indicated in the lists at Annexes B and C, Type Approval/Registration granted by the Highways Agency as the Overseeing Organisation is valid throughout the UK.
- 1.5 It should be noted that the approval/registration of some products is subject to limitations on use. Where applicable these are stated in the lists. Such limitations are additional to any given in the SHW. When products are used in contracts which incorporate the SHW, they must conform to the descriptions, specifications and limitations set out in the SHW.

Implementation

1.6 The Advice Note Annexes are factual lists of products which have passed approval/registration procedures at the date of publication. There are no special requirements for implementation. It is intended that the Advice Note should be regularly updated to allow for the inclusion of new products or the deletion of products which are found to be unsatisfactory or have been superseded.

May 2001 1/1

2. PROCEDURE FOR INCLUSION IN LISTS

- 2.1 Any manufacturer, supplier or agent can apply at any time to have products which have received the appropriate approval/registration placed on the lists at Annexes A, B or C. The addresses to which applications should be made are given in Chapter 4 of this Advice Note.
- 2.2 SD 1 (MCHW 0.2.1) gives information on the type of approval/registration required for each product, reference to the relevant clause in the SHW, and details on information required together with the likely timescale for products to obtain such approval/registration.
- 2.3 Where approval/registration has been withdrawn from products owing to their failure to perform to the required standard, the products will be removed from the lists at the revision subsequent to the withdrawal. Enquiries may be made of the Overseeing Organisations to check that any approval/registration is current at the time of use. Similarly, enquiries can be made about any approval/registration that may have been granted subsequent to the last publication of the lists.



3. REFERENCES

3.1 Manual of Contract Documents for Highway Works:

Volume 0: Model Contract Document for Major Works and Implementation Requirements:

Section 2 Implementing Standards

SD 1 Implementation of the Specification for Highway Works and Notes for Guidance (MCHW 0.2.1)

Volume 1: Specification for Highway Works: (MCHW 1)

May 2001 3/1

4. ENQUIRIES

All technical enquiries or comments on this Advice Note should be sent in writing as appropriate to:

Chief Highway Engineer The Highways Agency

Room B153A Romney House 43 Marsham Street London SW1P 3HW

G CLARKE

Chief Highway Engineer

Chief Road Engineer

Scottish Executive Development Department

Victoria Quay Edinburgh EH6 6QQ

J HOWISON

Chief Road Engineer

Chief Highway Engineer

Transport Directorate

Welsh Assembly Government Llywodraeth Cynulliad Cymru

Crown Buildings

Cardiff CF10 3NQ J R REES

Chief Highway Engineer Transport Directorate

Director of Engineering

The Department for Regional Development

Roads Service Headquarters

Clarence Court

10-18 Adelaide Street

Belfast BT2 8GB

G W ALLISTER

Director of Engineering

MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 0 $\,$ SECTION 3

ANNEX A STATUTORY TYPE APPROVAL

Contents

Product		Page
Retroreflecting F	Road Studs	A/1
Traffic Signal an	d Control Equipment	A/13
Variable Messag	e Signs	A/14

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Permanent Road Stud Incorporating Retroreflectors	Armourstud Mark 6	Armourstud Ltd Century House Century Road Retford Nottinghamshire DN22 7TD Tel: 01777 703643	Type approval letter from the Secretary of State for the Overseeing Organisation	5003/814/Rev5	
		Armourstud Mark 6A	Armourstud Ltd Century House Century Road Retford Nottinghamshire DN22 7TD Tel: 01777 703643	Ditto	7990	
		CS 3000	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 675	
		CS 4000	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 677	BTM Document No. PR II 1001 June 1987
		Light Dome Mark 10	Light Dome Road Maker Inserts Ltd Premier Business Park Newgate Lane Fareham Hants PO14 1BP Tel: 01329 287955	Ditto	DTER No RED 13/20/09/119	

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Permanent Road Stud Incorporating Retroreflectors	3M 290	3M United Kingdom plc Easthampstead Road Bracknell Berkshire RG12 1JE Tel: 01344 860678	Type approval letter from the Secretary of State for the Overseeing Organisation	DTER No RED 13/20/22/103	
		Night Star AB	Night Star 46-84-245 th Street Douglaston New York 11363 USA Tel: 00 1 718 229 0046	Ditto	DTER No RED 13/20/45/132	
		Prismo II T	BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414824	Ditto	M2448/K	
		Stimsonite 953Hex	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 953 669 and SS 652	
	Permanent Road Stud Incorporating Retroreflectors and LEDs	Astucia DIRS	Astucia UK Ltd 42 Eldon Way Paddock Wood Tonbridge Kent TN12 6BE Tel: 01892 838333	Ditto	18698MDBLV001	

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Permanent Road Stud Incorporating Retroreflectors and LEDs	Astucia SIRS	Astucia UK Ltd 42 Eldon Way Paddock Wood Tonbridge Kent TN12 6BE Tel: 01892 838333	Type approval letter from the Secretary of State for the Overseeing Organisation	18698MDBLV002	
		Reflecto Active Road Stud	Reflecto Ltd 5 Carrs Meadow Escrick York YO19 6JZ Tel: 01904 728133	Ditto	7982	
	Road Stud Housing	Lucy Castings road stud housing	Lucy Castings Howland Road Eastern Bypass Thame Oxfordshire OX9 3UJ Tel: 01844 260940	Ditto	LDBH 003	
		Rice road stud housing LD/1	Rice and Co. Northampton Ltd South Bridge Road Northampton NN4 8BY Tel: 01604 766471	Ditto	LDBH 001	
		Triplex road stud housing	Triplex Foundry Ltd Upper Church Lane Tipton West Midlands DY4 9PA Tel: 0121 5571293	Ditto	LDBH 002	

May 2001

Specification	Product Type	roduct Type Product Name	Manufacturer's	Limitations on Use	Comments		
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions	
1213	Permanent Road Stud Incorporating Retroreflectors	Catseyes	Reflecting Roadstuds Ltd Boothtown Halifax West Yorkshire HX3 6TR Tel: 01422 360 208	Type approval letter from the Secretary of State for the Overseeing Organisation	RRL 265, Angle type (19/8/61) RRL 266, Short type (19/8/61) RRL 345, Short type (modified) (14/12/87) RRL 267, Long type (19/8/61) RRL 272, Flush Kerb type (10/9/62)	(Paving (Instructions (1995 Edition (Red) (also ('Permafix' (Reflect-A-Fix (RAF/PM/85/KJ (Sept 1985	
		Permastud Aluminium and Cast Iron/Housing	Permastud Sales Ltd 15 Station Road Yate Bristol BS17 5HT Tel: 01454 324 342	Ditto	P103 Issue 2 (16/11/87) RM 20-3 sheets (23/3/89)	Permastud Document PSL/90 May 1990	
		Trailblazer Plastic Housing	Glasdon UK Ltd Preston New Road Blackpool Lancs FY4 4UL Tel: 01253 694 621	Ditto	02B029-01 Issue 05 (28/1/88)	Glasdon Document No. 02029/2 January 1988	
		Prismo II	BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	M2448/1 Issue J (15/11/91)	BTM Document No. PR II 1001 June 1987	
		Catastud MK I	BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	MK 1/CS/001 (30/7/71)	BTM Document No. 17484 July 1984	

Annex A Statutory Type Approval

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Permanent Road Stud Incorporating Retroreflectors	Catastud Deep Fix Epoxy	BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Type approval letter from the Secretary of State for the Overseeing Organisation	30957A - Body 30947B - Receptor 30947C - Screw (May 1981)	BTM Document No. 17484A July 1984
		Stimsonite 88	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS629	
		Stimsonite 947	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 643 (21/5/86)	Stimsonite Document 947 - IPM April 1985
		Stimsonite 948	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 646 (2/9/88)	Simsco Documents 6592 May 1992 (Hot Melt) & 291041A March 1989 (Self-Adhesive)
		Stimsonite 953	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS 652	Stimsonite Documen No. 291041

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Specification	Product Type	pe Product Name Manufacturer's	Manufacturer's	Limitations on Use	Comments		
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions	
213	Permanent Road Stud Incorporating Retroreflectors	Gladson Pentar Mk III	Glasdon UK Ltd Preston New Road Blackpool Lancs FY4 4UL Tel: 01253 694 621	Type approval letter from the Secretary of State for the Overseeing Organisation	02Y 02602 (20/2/89)	Glasdon Document 02Y 02602 Sheet 2 February 1989	
		Roadstar	Roadstars Ireland Ltd Gouldshill Mallow County Cork Eire Tel: 00 353 22 21009	Ditto	Roadstars Figures 1 - 5 (5/3/89)	Roadstars Documer Ref No. C12 March 1989	
		Light-Dome Mk. VA Depressible insert only (now known as MK 8A)	Light-Dome Road Marker Inserts Ltd Newgate Lane Industrial Estate Fareham Hants PO14 1BP Tel: 01329 287 955	Ditto	78/1 (27/6/88)	Light-Dome Document LD/1 March 1991	
		Knight Sight Depressible insert only	Knight Polymers Ltd 27 Lansdown Industrial Estate Cheltenham GL51 8PL Tel: 01242 227 750	Ditto	200.1 March 1991	Knight Advanced Polymers Ltd Document KS/1 November 1992	
		Glasdon Flexiwipe II Depressible insert only	Glasdon UK Ltd Preston New Road Blackpool Lancs FY4 4UL Tel: 01253 694 621	Ditto	02Y 02814 (31/1/90)	Glasdon Document 02Y 02815 Issue 1 April 1992	

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Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments		
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions	
1213	Permanent Road Stud Incorporating Retroreflectors	Ray-O-Lite 2002	Light Dome Road Marker Inserts Ltd Newgate Lane Industrial Estate Fareham Hants PO14 1BP Tel: 01329 287 955	Type approval letter from the Secretary of State for the Overseeing Organisation	2002/1	RED 13/20/09/111	
		Stimsonite 101CR (Previously 98 and 101)	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS672		
		Stimsonite 911	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS629		
		Stimsonite 952AL	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS655AL		
		Stimsonite 952LP	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	SS656		

Specification	Product Type		Manufacturer's	Limitations on Use	Comments		
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions	
1213	Permanent Road Stud Incorporating Retroreflectors	KnightLite Hot Melt Type	Knight Polymers Ltd 27 Lansdown Industrial Estate Cheltenham GL51 8PL Tel: 01242 227 750	Type approval letter from the Secretary of State for the Overseeing Organisation	911	RPM - I - 8/94	
		KnightSight SP001 Stud and Housing	Knight Polymers Ltd 27 Lansdown Industrial Estate Cheltenham GL51 8PL Tel: 01242 227 750	Ditto	SP001		
		Glynwed Road Stud Housing	Glynwed Brickhouse Commercial Street Pontymister Industrial Estate Risca Gwent NP1 6YL Tel: 01633 612 833	Ditto	DOT No. RED 13/20/35/94		
	Permanent Road Stud Incorporating Retroreflectors	Glynwed Brickhouse CIBODY/RNDZ Housing	Glynwed Brickhouse Commercial Street Pontymister Industrial Estate Risca Gwent NP1 6YL Tel: 01633 612 833	Ditto	CIBODY/RNDZ		
	Temporary Road Stud Incorporating Retroreflectors	Safemark Self Adhesive Type	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Ditto	29472 Issue 1 (22/12/86)	Simsco Document No. 29472A (Issue 2) December 1991	

Annex A
Statutory Type Approval

Part 1 SA 1/01

Specification Clause	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Number Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Temporary Road Stud Incorporating Retroreflectors	Safemark Hot Melt Type	Avery Dennison Knightcott Industrial Estate Banwell Weston Super Mare North Somerset BS29 6JN Tel: 01934 825800	Type approval letter from the Secretary of State for the Overseeing Organisation	31848 Issue 1 (22/12/86)	Simsco Document No. 31848A (Issue 1) January 1987
		Contramark Self Adhesive Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	1003C (April 1988)	BTM Document No. 9484A February 1986
		Contramark Hot Melt Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	1003C (April 1988)	BTM Document No. 9484 June 1984
		Contramark II Hot Melt Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	BTM1001C (April 1988)	BTM Document Contramark II Temporary Hot Melt Studs May 1988
		Contramark 2000 Hot Melt and Self Adhesive Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	IP85B (16/4/91)	BTM Document No. 9484 June 1984 and 9484A February 1986

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1213	Temporary Road Stud Incorporating Retroreflectors	Visimarker Hot Melt Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Type approval letter from the Secretary of State for the Overseeing Organisation	M2484 Issue C (26/10/83)	BTM Document No. PVTRS 2001 April 1987
		Visimarker Self Adhesive Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	M2490 Issue A (21/4/87)	BTM Document No. PVTRS 2001 April 1987
		Swintex Stick-a-Stud 1 Hot Melt Type	Swintex Ltd Derby Works Manchester Road Bury Lancashire BL9 9NX Tel: 0161 767 4933	Ditto	Stick-a-Stud H/M (13/5/89)	Swintex Document Stick-a-Stud H/M May 1989
		Swintex Stick-a-Stud 2 Hot Melt Type	Swintex Ltd Derby Works Manchester Road Bury Lancashire BL9 9NX Tel: 0161 767 4933	Ditto	Stick-a-Stud H/M (4/5/90)	Swintex Document Stick-a-Stud H/M May 1990
		Swintex Stick-a-Stud 2 Self Adhesive Type	Swintex Ltd Derby Works Manchester Road Bury Lancashire BL9 9NX Tel: 0161 767 4933	Ditto	Stick-a-Stud S/A (4/5/90)	Swintex Document Stick-a-Stud H/M May 1989

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Annex A Statutory Type Approval

Specification	Product Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number		Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
213	Temporary Road Stud Incorporating Retroreflectors	Contramark III Hot Melt Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Type approval letter from the Secretary of State for the Overseeing Organisation	BTM 1002C (H/M) (April 1988)	BTM Document No. 9484 May 1990
		Contramark III Self Adhesive Type	BTM (Safety Product) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	BTM 1002C (S/A) (April 1988)	BTM Document No. 9484A May 1990
		Roadcare Reflect-a-Fix Hot Melt Type	Light-Dome Road Marker Inserts Ltd Newgate Lane Industrial Estate Fareham PO14 1BP Hants Tel: 01329 287 955	Ditto	P2229B (March 1992)	Reflect-a-Fix Document No. RC.NJB.1.HM
		Roadcare Reflect-a-Fix Self Adhesive Type	Light-Dome Road Marker Inserts Ltd Newgate Lane Industrial Estate Fareham PO14 1BP Hants Tel: 01329 287 955	Ditto	P2229B (March 1992)	Reflect-a-Fix Document No. RC.NJB.1.SA
		Dorman Trafistud	Dorman Traffic Products Ltd Rufford Road Crossens Southport PR9 8LA Tel: 01704 20911	Ditto	TSDA/A (May 1992)	Dorman Document OTS 0592 May 1992

Volume 0 Section 3

Annex A Statutory Type Approval

Specification **Product Type Product Name** Manufacturer's Limitations on Use Comments Clause Description Name & Address Manufacturer's **Fixing Instructions** Number **Drawings** Temporary Road APH Road Craft Safety Type approval letter from the 1213 1540/01/A3/SS2 Stud Incorporating Secretary of State for the Products Ltd Retroreflectors Unit 25 Overseeing Organisation Knightcott Industrial Estate Banwell Weston Super Mare Somerset BS24 6JN Tel: 01934 823 177 JSP Glo-Stud Johnstone Safety 37 Ditto Self Adhesive Type Products Ltd Worsham Mill Minster Lovell Oxford OX8 5RX Tel: 01993 824 000

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TRAFFIC SIGNAL AND CONTROL EQUIPMENT

Specification	Product	Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause Number			Description	Name & Address		Manufacturer's Drawings	Fixing Instructions
1217/1218	1		For information and status of type (Road) Lighting Team at Temple Contact Richard Privett - Tel: 0117	Quay House, 2, The Square, Bristo	nt refer to Highways Agency document MCS215 I BS1 6HA.	. This is available from the Traffic	Control Systems and

VARIABLE MESSAGE SIGNS

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Specification	Produc	t Type	Product Name	Manufacturer's	Limitations on Use	Comments	
Clause			Description	Name & Address		Manufacturer's	Fixing Instructions
#1201	4		For information and status of type Systems and (Road) Lighting Tear Contact Richard Privett - Tel: 011	n at Temple Quay House, 2, The S	t refer to Highways Agency document MCS215 Square, Bristol BS1 6HA.	Drawings This is available from the Traffic	Control

MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 0 $\,$ SECTION 3

ANNEX B TYPE APPROVAL

Contents

Product	Page
Safety Fences and Barriers	B/1
Corrugated Steel Buried Structures	B/3
Temporary Road Markings	R/4

SAFETY FENCES AND BARRIERS

Approved Designs:

Tensioned Corrugated Beam Safety Fence (TCB)

Untensioned Corrugated Beam Safety Fence (UCB)

Open Box Beam Safety Fence (OBB)

Double Rail Single Sided Open Box Beam (DROBB)

Wire Rope Safety Fence

Tensioned Rectangular Hollow Section Safety Fences (RHS)

British Concrete Safety Barrier (BCB)

Vertical Concrete Safety Barrier (VCB)

Portable Vertical Concrete Safety Barrier (PVCB)

All as specified in Series 400 of the Specification for Highway Works and Section 2 of the Highway Construction Details.

*See pages B/2 and B/3

WIRE ROPE SAFETY FENCE

Approved Designs:

1. Brifen Wire Rope Safety Fence

Brifen Four Rope wire rope safety fence and Brifen Three Rope wire rope safety fence shall be in accordance with the following drawings. The general requirements are specified in Series 400 of the Specification for Highway Works.

Four Rope Wire Rope Safety Fence

BL/00 Description of Components (Sheets 1 of 3, 2 of 3 and 3 of 3)

BL/01 General Layout - Central Reserve

BL/02 Rope and Fittings

BL/03 Posts

BL/04 Post Foundations and Components

BL/05 Anchor Frames - Threaded Terminal, Central Reserve

BL/06 Anchor Blocks - Threaded Terminal, Central Reserve

BL/07 General Layout - Verge

BL/08 Anchor Frames - Threaded Terminal Verge

BL/09 Anchor Blocks - Threaded Terminal Verge

BL/10 Surface Mounted Posts

BL/11 General Layout at End Anchorage

BL/12 General Arrangement of End Anchorage

BL/13 General Layout at Intermediate Anchorage

BL/14 End Anchor - Mechanical Fitting, Verge

BL/15 End Anchor - Mechanical Fitting, Central Reserve

BL/16 Anchor Blocks - Mechanical Fitting, Verge

BL/17 Anchor Blocks - Mechanical Fitting, Verge

BL/28 OBI/W Safety Fence Interface General Arrangement, Verge

BL/29 OBI/W Safety Fence Interface General Arrangement, Central Reserve

Three Rope Wire Rope Safety Fence (only to be used in situations where it can be impacted from one side)

BL/30 General Layout - Central Reserve

BL/31 General Layout - Verge

BL/32 General Layout at End Anchorage

BL/33 General Arrangement of End Anchorage

BL/34 Anchor Blocks - Mechanical Fitting, Central Reserve

BL/35 Anchor Blocks - Mechanical Fitting, Verge

All drawings are Issue No 1 dated June 1998.

Copies of the wire rope safety fence drawings can be obtained from the promoter at the following address:

Brifen Limited

Akamsara

Ratcher Way

Crown Farm Industrial Park

Mansfield

Nottinghamshire

NG190FS

WIRE ROPE SAFETY FENCE

Approved Designs:

2. Hill & Smith Wire Rope Safety Fence

Hill & Smith Safetyline Four Rope wire rope safety fence shall be in accordance with the following drawings. The general requirements are specified in Series 400 of the Specification for Highway Works.

WR1000	A	Concreted Line Post
WR1001	A	Concreted End Post
WR1002	В	Short Driven Post
WR1003	A	Long Driven Post
WR1004	A	Surface Mounted Post
WR1005	A	Check Rope & Anchorage Shackle
WR1006	C	Swaged End Terminal
WR1007	В	Cast-in Twin Rope Anchorage
WR1013	A	Wire Rope Rigging Screw
WR1016	В	Breakaway Anchor Type NYA04
WR1017	A	Breakaway Anchor Type NYA06
WR1028	A	Standard Post Socket
WR1500	A	Plan View Showing Anchorage Layout
WR1501	A	Typical 4 Rope Central Reserve Layout
WR1503	A	OBB/WRSF Protecting Structure (Approach)
WR1504	A	OBB/WRSF Protecting Structure (Depart)
WR1509	A	Intermediate Anchorage (Central Reserve) Ropes B or C Terminating (Details)
WR1510	A	Intermediate Anchorage (Central Reserve) Ropes B or C Terminating (Layout)
WR1511	A	WRSF/OBB (Verge Approach) WRSF Terminating
WR1512	A	OBB/WRSF Central Reserve with Structure
WR1513	A	WRSF/OBB (Verge Depart) WRSF Terminating
WR1515	A	4 Rope Layout at End Terminal
WR1516	A	Plan View on 4 Rope System at End Terminal
WR1519	A	4 & 3 Rope System Rope Heights
WR1520	C	Wire Rope Details of Central Reserve Crossing Point (70mph)
WR1523	-	Typical Layout - Central Reserve - Single Height Open Box Beam with Wire Rope Interface
D205	A	Post Cap
D233	A	Post Socket Cover (Central Reserve)
D234	A	Post Socket Cover (Verge)

In addition, the safety fence shall comply with issue 8 of the Specification and Component Descriptions for the Gunnebo – HS Four Rope Safetyline wire rope safety fence and with issue 8 of the Installation Standard. Copies of these two documents and the wire rope safety fence drawings can be obtained from the promoter at the following address:

Hill & Smith Springvale Business & Industrial Park Bilston Wolverhampton WV14 0QL

Annex B Type Approval

CORRUGATED STEEL BURIED STRUCTURES

Specification Series/Clause Number	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Date Passed	Other Information
2500 / 2501	Bolted Segment Culverts	MP100 MP200	Asset International Ltd Stephenson Street Newport Gwent NP9 0XH	Use as described in BD12 (DMRB 2.2.6) and BBA Roads and Bridges Certificate No. 91/59	25/7/91	TA Cert No. BE 1/1/91
		T100 T200	Tubosider UK Ltd 24 Kingsland Grange Woolston Warrington WA1 4RW	Use as described in BD12 (DMRB 2.2.6)	22/10/91	TA Cert No. BE 1/2/91
		ARC 67 ARC 100 ARC 152	ARC SIPRA SRL c/o 1 Main Street Follifoot Harrogate HG3 1DU	Use as described in BD12 (DMRB 2.2.6)	22/12/94	TA Cert No. BE 1/5/94
		HAMCO Multi-plate MP200 HAMCO Multi-plate MP150	HAMCO Dinslaken Bausystem GMbH 46535 Dinslaken Julius-Kalle-Strasse 55 Germany	Use as described in BD12 (DMRB 2.2.6)	28/3/96	TA Cert No. BE 1/6/96
	Helically Wound Culverts	HEL-COR 68 HEL-COR 100 HEL-COR 125	Asset International Ltd Stephenson Street Newport Gwent NP9 0XH	Use as described in BD12 (DMRB 2.2.6)	19/1/96	TA Cert No. BE 1/3/95
		HELIBORE 68 HELIBORE 125	Tubosider UK Ltd 24 Kingsland Grange Woolston Warrington WA1 4RW	Use as described in BD12 (DMRB 2.2.6) and BBA Roads and Bridges Certificate No. 91/62	9/6/92	TA Cert No. BE 1/4/92

TEMPORARY ROAD MARKINGS

Specification Series/Clause	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Date Passed	Other Information Number
1212	Temporary Road Marking Tape	Scotchlane 5710 (White)	Traffic Control Products Group 3M (UK) Plc East Hampstead Road Bracknell Berkshire RG12 1JU Tel: 01344 866 465	Temporary road markings at road works	14 Oct 88	Contract point at 3M: Mr Mike Mason
		Scotchlane 6350 (White)	3M (UK) Plc	Ditto	14 Oct 88	Taper is paper linered
		Scotchlane A135 (Black)	3M (UK) Plc	Ditto	14 Oct 88	Black tape for masking existing markings
		Scotchane 645 (Black)	3M (UK) Plc	Ditto	15 Jan 95 (Black)	To be renamed Scotchlane 655
		Scotchlane 640 (White)	3M (UK) Plc	Longitude markings Arrows and worded markings	13 Jan 95 4 Dec 96	To be renamed Scotchlane 650 (White)
		Scotchlane 620 (White)	3M (UK) Plc		4 Dec 96	
		Remline (White)	Manufactured to Associated Asphalt specification. Associated Asphalt Co Ltd PO Box 60 Henley on Thames Oxon RG9 4EZ Tel: 01491 575 921	Temporary road markings at road works	14 Oct 88	Contact point at Associated Asphalt: Mr Harry M Jackson
		Remline (Black)	Ditto	Ditto	14 Oct 88	Black tape for masking existing Markings

Amendment - November 2002

TEMPORARY ROAD MARKINGS

Specification Series/Clau <mark>se</mark> Number	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Date Passed	Other Information
212	Temporary Road Marking Tape	Brite-line 100 (White) & 100 Black	Brite-line Industries Ltd Tanglewood 5 Muntham Drive Barns Green Horsham W Sussex RH13 7PT	Temporary road markings at road works	14 Oct 94	Contact pt at Brite- Line: Mr Perkins
		Vita light (White)	Vita Salford Salford Road Salford Lancashire M6 6WA Tel: 0161 736 5343	Ditto	14 Oct 94	Contact pt: Mr Dykes Does not include arrows and worded markings
		Snoline - Tempoline (White)	Snoline Spa (Italy) UK Supplier BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	20 Oct 89	Contact at BTM Mr Joe S Cole
		Snoline - Tempoline (Black)	Snoline Spa (Italy) UK Supplier BTM (Safety Products) Ltd Fosseway Midsomer Norton Bath BA3 4AY Tel: 01761 414 824	Ditto	20 Oct 89	Black tape for masking existing markings
		Milli-Lux (White)	Swintex Ltd Derby Works Manchester Road Bury Lancashire BL9 9NX Tel: 0161 761 4933	Ditto	20 Oct 89	Contact point at Swintex: Mr H V Houghton

Amendment - November 2002

TEMPORARY ROAD MARKINGS

Specification Series/Clause Number	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Date Passed	Other Information
1212	Temporary Road Marking Tape	Swintex Tape (White)	Swintex Ltd Derby Works Manchester Road Bury Lancashire BL9 9NX Tel: 0161 761 4933	Temporary road markings at road works	15 Sept 92	Contact point at Swintex: Mr H V Houghton
		Trelleborg SM (White)	Adbruf Ltd Gibbs Marsh Trading Estate Stalbridge Sturminster Newton Dorset ST10 2RX Tel: 01963 362 640	Ditto	12 Jan 96	Contact point at Adbruf Mr C Walsh
		Trelleborg SM (Black)	Adbruf Ltd Gibbs Marsh Trading Estate Stalbridge Sturminster Newton Dorset ST10 2RX Tel: 01963 362 640	Ditto	4 Oct 96	Contact point at Adbruf Mr C Walsh

Amendment - November 2002

MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 0 $\,$ SECTION 3

ANNEX C REGISTRATION

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PAINTS AND SIMILAR PROTECTIVE COATINGS

Series/Clause Number	Туре	Product/System Description	Manufacturer's Name	Limitations on Use	Environment Access	Date Passed	Other Information
1900 / 1911.7: Ta	able 19/2B				1		
- Type I	Paint System	High Build Epoxy (2 Pack) System	International Coatings Ltd W & J Leigh & Co Ameron Coatings Dacrylate Paints Ltd Tikkurila Coatings Ltd	All	Ready		
- Type II	Sealer/Paint System	Aluminium Epoxy Sealer/High Build Epoxy and Polyurethane System	International Coatings Ltd W & J Leigh & Co Dacrylate Paints Ltd Tikkurila Coatings Ltd	All	Difficult		
- Type III	Paint System	High Build Epoxy System	International Coatings Ltd W & J Leigh & Co Ameron Coatings Sigma Coatings Ltd Tikkurila Coatings Ltd	All	Ready or Difficult		
- Type IV For galvanised Surfaces (e.g. parapets)	Sealer/Paint System	Zinc Phosphate Epoxy Sealer/Polyurethane System	International Coatings Ltd W & J Leigh & Co Ameron Coatings Tikkurila Coatings Ltd	All	Ready or Difficult		
1900 / 1911.8: Ta Bearings	able 19/3B						
- Type V	Sealer/Paint System	Aluminium Metal Spray plus Sealer/Zinc Phosphate Sealer/Polyurethane System	International Coatings Ltd W & J Leigh & Co Dacrylate Paints Ltd Ameron Coatings Tikkurila Coatings Ltd	All	Ready or Difficult		

May 2001

PAINTS AND SIMILAR PROTECTIVE COATINGS

Series/Clause Number	Туре	Product/System Description	Manufacturer's Name	Limitations on Use	Environment Access	Date Passed	Other Information
1900 / 191 <mark>1.9: T</mark> a Lighting <mark>Colu</mark> mi							_
- Type A1	Sealer/Paint System	Aluminium Epoxy Sealer/Pitch Epoxy System	International Coatings Ltd Ameron Coatings W & J Leigh & Co Dacrylate Paints Ltd Tikkurila Coatings Ltd	Inland	Ready		
- Type A2a	Sealer/Paint System	Zinc Phosphate Sealer/High Build Epoxy & Pitch Epoxy System	International Coatings Ltd Witham Oil & Paint Ltd Ameron Coatings Sigma Coatings Ltd Dacrylate Paints Ltd W & J Leigh & Co Tikkurila Coatings Ltd	Inland Marine	Difficult Ready or Difficult		
- Type A2b	Sealer/Paint System	Aluminium Epoxy Sealer/High Build Epoxy & Pitch Epoxy System	Ameron Coatings International Coatings Ltd Dacrylate Paints Ltd W & J Leigh & Co Tikkurila Coatings Ltd	Inland Marine	Difficult Ready or Difficult		
- Type G1	Paint System	High Build Epoxy/Pitch Epoxy System	International Coatings Ltd Ameron Coatings W & J Leigh & Co Dacrylate Paints Ltd Tikkurila Coatings Ltd	Inland	Ready		
- Type G2a	Paint System	High Build Epoxy /Polyurethane/Pitch Epoxy System	Dacrylate Paints Ltd International Coatings Ltd Ameron Coatings W & J Leigh & Co Tikkurila Coatings Ltd	Inland Marine	Difficult Ready or Difficult		
- Type G2b	Paint System	High Build Epoxy /Polyurethane/Pitch Epoxy System	Ameron Coatings International Coatings Ltd Dacrylate Paints Ltd W & J Leigh & Co Tikkurila Coatings Ltd	Inland Marine	Difficult Ready or Difficult		

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MANUFACTURERS OF PAINTS

1 Sigma Coatings Ltd Tingewick Road Buckingham MK18 1ED Tel: 01280 812 081

2 International Coatings Ltd
Protective Coatings Division
Stoneygate Lane
Felling-on-Tyne
Gateshead
Tyne & Wear
NE10 0JY
Tel: 0191 469 6111

Witham Oil & Paint Ltd
Stanley Road
Oulton Broad
Lowestoft
Suffolk
NR33 9ND
Tel: 01502 563434

4 Tikkurila Coatings Ltd Radcliffe Road Bury Lancashire BL9 9NB Tel: 0161 764 6017

5 W & J Leigh & Co Tower Works Kestor Street Bolton BL2 2AL Tel: 01204 521771

6 Spencer Coatings Ltd Froghall Terrace Aberdeen AB24 3JN Tel: 01224 788400

7 Ameron Coatings Blackwell Road Huthwaite Sutton-in-Ashfield Nottinghamshire NG17 2RL Tel: 01623 511000 8 Dacrylate Paints Lime Street Kirkby-in-Ashfield Nottingham NG17 8AL Tel: 01623 753845

9 E Wood Ltd Standard Way Northallerton North Yorkshire DL6 2XA Tel: 01609 780 170

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WATERPROOFING SYSTEMS FOR HIGHWAY BRIDGE DECKS

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	BBA Roads and Bridges Agrément Certificate No.	Date Certificate Issued
2000	Permitted Waterproofing Systems	Eliminator (One Coat)	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF	99/R111	17/5/99
		Eliminator (Two Coat)	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF	99/R112	17/5/99
		PmB	Bayer plc Polyurethane Business Group Bayer House Strawberry Hill Newbury Berkshire RG14 1JA	98/R101	13/8/98
		Bridgeguard Bridgedeck Waterproofing System	BDW (Services) Ltd Unit 1b Wares Farm Redwall Lane Linton Maidstone Kent ME17 4B	01/R126	14/12/01

WATERPROOFING SYSTEMS FOR HIGHWAY BRIDGE DECKS

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	BBA Roads and Bridges Agrément Certificate No.	Date Certificate Issued
		Britdex MDP (One Coat)	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA	02/R129	13/05/02
		Britdex MDP (Two Coat)	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA	02/R128	13/05/02

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Buried Joint	Nova BJ (formerly Avon BJ) TU20 TU30	ASL Contracts Ltd SHT Brueckentechnic GmbH SHT Brueckentechnic GmbH Agent (UK) ASL Contracts Ltd Unit 4 Regents Park Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992 Jun 97 Jun 97
		Bayer/Pitchmastic Buried Joints BP1 BP2 BP3 BP4	Manufacturer: Bayer ple Installer: Pitchmastic plc Royds Works Attercliffe Road Sheffield S4 7WZ		Sept 96 Dec 96 Dec 96 Dec 96
		Expoband Plus Deck Flashing DF6	Fosroc Expandite Ltd Coleshill Road Tamworth Staffordshire B78 3TL		1992
		Radflex 125 (Deck Flashing)	Radflex Contract Services Ltd Unit 35 Wilks Avenue Dartford Trade Park Kent DA1 1JS		1992

Annex C Registration

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Buried Joint	Serviseal Type B (Deck Flashing)	W. R. Grace Ltd Servicised Expansion Jointing & Waterproofing Ajax Avenue Slough Berkshire SL1 4BH		1992
		Soba Greyline 06, 20, 20G & 40G Soba Greenline 06, 20, 20G & 40G	Clarke Products 384 Cheadle Road Cheddleton Leek Staffordshire ST13 7BW		Jun 97 Jun 97
		Type 1 Type 2 Type 3 Type 4	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF		Nov 96 Oct 97 Oct 97 Oct 97
		Uniflex Joint Type U/C/10	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		Mar 95

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Asphaltic Plug Joint	Asphapol	Associated Asphalt Ltd Highlands Lane Henley-on-Thames Oxfordshire RG9 4PS		1992
		ESS	ESS Systems East Sussex Surfacing (Midlands) Ltd 9 Marlborough Place Brighton East Sussex BN1 1UB		1992
		Feba	Universal Sealants (UK)Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne & Wear NE38 8QA		Sep 99
		Flexijoint	Highway Maintenance Specialists Ltd Bruntingthorpe Industrial Estate Lutterworth Leicestershire LE17 5QZ		Dec 98
		Hotfalt	ASL Contracts Ltd Unit 4 Regents Park Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Asphaltic Plug Joint	Permatrack	Permanite Asphalt Products Division Technical Services Cawdor Quarry Matlock Derbyshire DE4 2JH	Suitable for design movements of +/- 10 mm (20 mm total) only	Aug 02
		P1100	Lilley (Construction) Services Ltd Mid Suffolk Business Park Potash Lane Eye Suffolk IP23 7HE		Jan 96
		RAB Joint	RAB Associates Longstone Lane Ashford Bakewell Derbyshire DE45 INH		Jun 93
		Thormajoint BJ200 Green BJ200 Blue BJ200 Super BJ200 ST	Prismo Products Ltd 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX		1992 April 02
		Viajoint	Freyssinet Ltd 7 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		1992

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Asphaltic Plug Joint	Zebrajoint	Zebraflex Sealants Ltd Quarry Road Ind. Est. Quarry Road Chorley Lancashire PR6 0LR		1992
	In-situ nosing or transition strip	Britflex (Polyureide)	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		1992
		Ceva-Crete (Polyurethane modified epoxy) Betapox (Epoxy/Urethane)	Prismo Products Ltd 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX	Use only with Cevajoint Use only with Betajoint	May 94
		CN2 (Cementitious)	RAB Associates Longstone Lane Ashford Bakewell Derbyshire DE45 1NH		1992
		Monojoint (HAC) (Cementitious)	Industrial Flooring Services Ltd Sankey Valley Industrial Estate Newton-le-Willows Nr Warrington Cheshire WA12 8DN		1992

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Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	In-situ nosing or transition strip	Strelax Polyurethane Mortar Wabocrete FMV Polyureide Mortar	MBT Feb 19 Broad Ground Road Lakeside Redditch Worcestershire B98 8YP	Use Wabocrete FMV only with Wabo ER	1992 Feb 96
	Transition Strip	PML NS/FG (Epoxy Mortar)	Acalor Protective Measures Ltd Airmanship Hall Towcester Northants NN12 8TL	Transition strip for use with Serviflex only	1992
		Ronajoint (Cementitious) Ronaset (Cementitious)	Ronacrete Ltd Ronac House Selinas Lane Dagenham Essex RM8 1QL	Transition Strip Only	1992
	Nosing Joint	Jeene W25, W30, W40, W50 and FW25, FW30, FW40, FW50 W65 FW65	MBT Feb 19 Broad Ground Road Lakeside Redditch Worcestershire B98 8YP	112	Sept 96 Dec 01
		NJ 1 NJ 2 NJ 4	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		Dec 98 Feb 96 Feb 96

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric	Algaflex T30, T50, T80, T100, T120, T140, T160, T200, T250, T330	Expansion Control Systems Int. Ltd PO Box 141 Leeds LS14 2XG		Sep 95
		"RAN" (Single Element) 30,50S "GPE" (Single Element) 80,120,160,200,250 "SIN" (Single Element) 35,50 "RAN-P" (Single and Multi-Element) 300,400,500,600,700,800	FIP Industrial (UK) Ltd Old Canteen Lincoln House The Paddocks 347 Cherry Hinton Road Cambridge CB1 4DH		Jun 94
		Freyssinet Felspan "M" Joint "N" Joint	Freyssinet Ltd 7 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		1992
		Multiflex T60,T80,T100,T140, T160,T230,S30,S50,S80, S100,S120,S160,S200, S250,S350	Manufacturer: SHT Brueckentechnic GmbH Agent (UK) ASL Contracts Ltd Unit 4 Regents Park Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric	Serviflex 50,75,100,165,230.330	W R Grace Ltd Servicised Expansion Jointing & Waterproofing Ajax Avenue Slough Berkshire SL1 4BH		1992
		Transflex 150, 200, 250, 300, 400, 650, 900, 1300	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		1992
		Waboflex SR2A, SR2.5A, SR4A, SR6.5A, SR9, SR13	MBT Feb 19 Broad Ground Road Lakeside Redditch Worcestershire B98 8YP		1992
	Elastomeric in metal runners	Armourjoint (Single Element)	ESS Systems East Sussex Surfacing (Midlands) Ltd 9 Marlborough Place Brighton East Sussex BN1 1UB		Oct 95

Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
Elastomeric in metal runners	BEJ 3 BEJ 5 BEJ 8 BEJ 10 BEJ 13 BEJ 15 (All Single Element) Techstar Modular Joint System LG2 to LG 12 LR2 to LR12 LX2 to LX12 (All Multi-Element)	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		1992 1992 1992 1992 Sep 99 1992 Aug 02
	BETA 65 (Single Element) BETA 80 (Single Element) BETA 100 (Single Element) BETA130 (Single Element) Advanced EMR Joint 30, 50, 65, 80, 100, 130, 150 (All Single Element)	ASL Contracts Ltd Unit 4 Regents Park Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		Jan 00 Jan 00 Jan 00 Jan 00 Jan 00
	Cevajoint (Single Element) BETA 30 (Single Element) BETA 50 (Single Element) Cipec WOSd (Single Element) Cipec WR (Single Element)	Prismo Products Ltd 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX Freyssinet Ltd 7 Hollinswood Court Stafford Park 1 Telford		May 94 May 94 May 94 1992 1992
	Elastomeric in	Elastomeric in metal runners BEJ 3 BEJ 5 BEJ 8 BEJ 10 BEJ 13 BEJ 15 (All Single Element) Techstar Modular Joint System LG2 to LG 12 LR2 to LR12 LX2 to LX12 (All Multi-Element) BETA 65 (Single Element) BETA 80 (Single Element) BETA 100 (Single Element) BETA 100 (Single Element) Cingle Element) Advanced EMR Joint 30, 50, 65, 80, 100, 130, 150 (All Single Element) Cevajoint (Single Element) BETA 30 (Single Element) Cevajoint (Single Element) Cingle Element) Cingle Element) Cingle Element) Cingle Element) Cingle Element) Cingle Element) Cipec WOSd (Single Element) Cipec WOSd (Single Element) Cipec WOSd	Elastomeric in metal runners BEJ 3 BEJ 5 BEJ 8 BEJ 10 BEJ 13 BEJ 15 Washington Tyne and Wear NE38 8QA ASL Contracts Ltd Unit 4 BETA 65 (Single Element) BETA 80 (Single Element) BETA 100 (Single Element) Advanced EMR Joint 30, 50, 65, 80, 100, 130, 150 (All Single Element) BETA 30 (Single Element) BETA 30 (Single Element) BETA 50 (Single Element) SP10 5NX Frismo Products Ltd 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX Cipec WOSd (Single Element) Freyssinet Ltd 7 Hollinswood Court Stafford Park 1 Telford	Elastomeric in metal runners BEJ 3 BEJ 5 BEJ 8 BEJ 10 BEJ 13 BEJ 13 BEJ 15 (All Single Element) Techstar Modular Joint System LG2 to LK12 LX2 to LX12 (All Multi-Element) BETA 180 (Single Element) BETA 130 (Single Element) BETA 130 (Single Element) BETA 130 (Single Element) BETA 130 (Single Element) BETA 30 (Single Element) BETA 50 (Single Element) BETA 50 (Single Element) BETA 50 (Single Element) PR6 7BX Cipec WOSd (Single Element) Cipec WR (Single Element) Telford

Annex C Registration

	Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
	2300	Elastomeric in metal runners	Maurer D80B to D1040B (Single and Multi-Element)	Maurer (UK) Ltd Crendon Industrial Estate		1992
			Maurer D80T to D1040T (Single and Multi-Element)	Thame Road Long Crendon		Jan 95
1			Maurer DS 160B to DS1200B (Multi-Element)	Aylesbury Buckinghamshire HP18 9EJ		Jan 95
			Maurer DS 160T to DS1200T	нгів уел		Dec 96
			(Multi-Element) Maurer Elastoblock			1992
			(Single Element) Maurer Betoflex (Single Element)			Nov 92
			Mageba Modular Joint Robek System	C.A.S. Engineering Unit 1a & 2a		1992
			LR2 - LR12 (Single and Multi-Element)	Aston Works West End Aston Oxfordshire OX18 2DQ		
			Proflex 200HA 100C, 125C, 156C, 188C (All Single Element)	Expansion Control Systems Int Ltd PO Box 141 Leeds LS14 2XG		Sep 99

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric in metal runners	WABO modular joint system E80 to E 1200 (Single and Multi-Element) Wabo ER E32 E64 E101 E130 SE300 SE400 (All Single Element)	MBT Feb 19 Broad Ground Road Lakeside Redditch Worcestershire B98 8YP		July 1995 Feb 1996 Feb 1996 Feb 1996 Dec 01 Jan 00 Jan 00
		WSF 80 (Single-Element) WSG 160 to WSG 1040 (Multi-Element)	Ekspan Ltd 410 Brightside Lane Sheffield S9 2SP		1992
		3W (Single & multi-element)	Manufacturer: SHT Brueckentechnic GmbH Agent (UK) ASL Contracts Ltd Unit 4 Regents Park Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992
	Comb or Tooth Joint	Cipec W Cipec Wd Cipec Wp Cipec Wps	Freyssinet Ltd 7 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		1992