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**VOLUME 0 MODEL CONTRACT  
DOCUMENT FOR MAJOR  
ROADWORKS AND  
IMPLEMENTATION  
REQUIREMENTS**

**SECTION 3 ADVICE NOTES**

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**PART 1**

**SA 1/05 - AMENDMENT NO. 3 -  
NOVEMBER 2006**

**LISTS OF COMPLIANT/APPROVED/  
REGISTERED PRODUCTS**

**SUMMARY**

This document lists products which comply with the Traffic Signs Regulations and General Directions 2002, direction 57 or have obtained Statutory Type Approval, Type Approval and Registration in order that they can be used on the Highways Agency's road network.

**INSTRUCTIONS FOR USE**

1. Insert replacement pages listed on the Amendment Sheet (Amendment No. 3 - November 2006).
2. Remove the corresponding existing pages, which are superseded by this amendment and archive as appropriate. (Advice on archiving is given in Advice Note SA 4/01.)
3. Enter details of Amendment No. 3 dated November 2006 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.



**THE HIGHWAYS AGENCY**



**TRANSPORT  
SCOTLAND**

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**Llywodraeth Cynulliad Cymru  
Welsh Assembly Government**

**WELSH ASSEMBLY GOVERNMENT  
LLYWODRAETH CYNULLIAD CYMRU**



**Department for  
Regional Development  
www.drni.gov.uk**

**THE DEPARTMENT FOR REGIONAL DEVELOPMENT  
NORTHERN IRELAND**

# **Lists of Compliant/Approved/ Registered Products**

**Summary:** This document lists products which comply with the Traffic Signs Regulations and General Directions 2002, direction 57 or have obtained Statutory Type Approval, Type Approval and Registration in order that they can be used on the Highways Agency's road network.

**Amendment No 2 to SA 1/05 - May 2006**

**Instruction Sheet**

<b>Section</b>	<b>Revision</b>
Front Sheet	Replace with new Front Sheet
Contents Sheet	Replace with new Contents Sheet
Chapter 4	Replace pages 4/1 to 4/2 with new pages 4/1 to 4/2
Annex A	Replace pages A/1 to A/2 with new pages A/1 to A/4
Annex D	Replace pages D/11 to D/18 with new pages D/11 to D/18

SUPERSEDED

REGISTRATION OF AMENDMENTS

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

SUPERSEDED

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**SECTION 3 ADVICE NOTES**

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**PART 1**

**SA 1/05 - AMENDMENT NO. 2 - MAY 2006**

**LISTS OF COMPLIANT/APPROVED/  
REGISTERED PRODUCTS**

**Contents**

Chapter

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

Lists of Products

- Annex A: Retroreflecting road studs incorporating reflectors (but no light source) as described in direction 57 (1) of TSRGD 2002
- Annex B: Statutory Type Approvals
- Annex C: Type Approvals
- Annex D: 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) that are subject to Regulation, Statutory Type Approval, Type Approval or Registration before they can be used on the Highways Agency's road network. Annex A of SD 1 (MCHW 0.2.1) lists such products.

1.2 Statutory Type Approval referred to above 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 are:

- a) retroreflecting road studs (see Annex A) incorporating reflectors (but no light source) as described in direction 57 of TSRGD 2002 (in Northern Ireland Type Approval applies in place of Statutory Type Approval);
- b) road studs (see Annex B) incorporating a steady or intermittent light source as described in direction 57(2) or (3) of TSRGD 2002;
- c) products that have Type Approval (Annex C); and
- d) products that have been registered (Annex D).

1.3 This Advice Note supersedes SA 1/01 Amendment No. 5 which is hereby withdrawn.

1.4 Statutory Type Approvals as listed in Annex B and issued by the Secretary of State apply to England only. Scotland, Wales and the Department for Regional Development (Northern Ireland) issue their own Statutory Type Approvals. Unless otherwise indicated in the lists at Annexes C and D, 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 met compliance with direction 57 of the TSRGD 2002 or have obtained Statutory Type Approval (in the case of road studs incorporating a steady or intermittent light source as described in direction 57(2) or (3) of TSRGD 2002), or 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.

## 2. PROCEDURE FOR INCLUSION IN LISTS

2.1 Any manufacturer, supplier or agent can apply at any time to have products which have evidence of compliance and certification or have received the appropriate approval/registration placed on the lists at Annexes A, B, C or D. 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)

SUPERSEDED

## 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  
123 Buckingham Palace Road  
London  
SW1W 9HA

G CLARKE  
Chief Highway Engineer

Chief Road Engineer  
Transport Scotland  
Victoria Quay  
Edinburgh  
EH6 6QQ

J HOWISON  
Chief Road Engineer

Chief Highway Engineer  
Transport Wales  
Welsh Assembly Government  
Cathays Park  
Cardiff  
CF10 3NQ

M J A PARKER  
Chief Highway Engineer  
Transport Wales

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

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**ANNEX A  
RETROREFLECTING ROAD STUDS  
INCORPORATING REFLECTORS (BUT  
NO LIGHT SOURCE) AS DESCRIBED IN  
DIRECTION 57(1) OF TSRGD 2002**

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Product	Page
Retroreflecting Road Studs	A/1

**NOTE**

**For further information and status of studs compliant with direction 57 of TSRGD 2002, please contact:**

Traffic Signs  
Department for Transport  
Traffic Management Division  
3/21 Great Minster House  
76 Marsham Street  
London  
SW19 4DR

E-mail: [Traffic.signs@dft.gsi.gov.uk](mailto:Traffic.signs@dft.gsi.gov.uk)

Retroreflecting road studs incorporating reflectors (but no light source) as described in direction 57(1) of TSRGD 2002				
Specification Clause Number	Product Description	Product Type in BS EN 1463-1	Manufacturer	Product Name
1213	Non depressible, surface bonded	P3A	3M United Kingdom PLC 3M Centre Cain Road Bracknell Berkshire RG12 8HT <a href="http://www.3m.com/uk/traffic">http://www.3m.com/uk/traffic</a>	3M™ Marker Series 290
1213	Non depressible, surface bonded	P3A	Avery Dennison C/o Roadcraft Safety Products Ltd 25 Knightcott Banwell Avon BS29 6HS	911
1213	Non depressible, surface bonded	P3A	Avery Dennison C/o Roadcraft Safety Products Ltd 25 Knightcott Banwell Avon BS29 6HS	948
1213	Non depressible, surface bonded	P3A	Avery Dennison C/o Roadcraft Safety Products Ltd 25 Knightcott Banwell Avon BS29 6HS	953
1213	Non depressible, surface bonded	P3A	Eurimex International Hedgerows Steamcross Lower Claverham North Somerset BS49 4QD	Ray-O-Lite 2002 AR
1213	Non depressible, surface bonded	P3A	Eurimex International Hedgerows Steamcross Lower Claverham North Somerset BS49 4QD	Ray-O-Lite Round Shoulder
1213	Non depressible, surface bonded	P3A	Eurimex International Hedgerows Steamcross Lower Claverham North Somerset BS49 4QD	Ray-O-Lite Square Shoulder

Retroreflecting road studs incorporating reflectors (but no light source) as described in direction 57(1) of TSRGD 2002				
Specification Clause Number	Product Description	Product Type in BS EN 1463-1	Manufacturer	Product Name
1213	Non depressible, surface bonded	P3A	D Swarovski & Co Swareflex Division Swarovskistrasse A-6112 Wattens Austria	Swareflex Globmaker 100mm x 100mm
1213	Non depressible, surface bonded	P1A	Eurimex International Hedgerows Steamcross Lower Claverham North Somerset BS49 4QD	Euristud AL
1213	Non depressible, embedded	P3A	Armourstud Ltd Century House Century Road Retford Nottinghamshire DN22 7TD	Mk6A
1213	Non depressible, embedded	P1A	Armourstud Ltd Century House Century Road Retford Nottinghamshire DN22 7TD	360 degree
1213	Non depressible, embedded	P3A	Avery Dennison C/o Roadcraft Safety Products Ltd 25 Knightcott Banwell Avon BS29 6HS	101CR (944 insert)
1213	Non depressible, embedded	P3A	Eurimex International Hedgerows Steamcross Lower Claverham North Somerset BS49 4QD	Euristud LL
1213	Non-depressible, embedded	P3A	Roadcraft Safety Products Ltd Knightcott Industrial Estate Banwell Weston-super-Mare BS29 6JN	201
1213	Depressible embedded	P1B	Lightdome Road Products Newgate Lane Industrial Estate Newgate Lane Fareham PO14 1JE	Mk8A

Retroreflecting road studs incorporating reflectors (but no light source) as described in direction 57(1) of TSRGD 2002				
Specification Clause Number	Product Description	Product Type in BS EN 1463-1	Manufacturer	Product Name
1213	Depressible embedded	P1B	Reflecting Road Studs Ltd Boothtown Halifax West Yorkshire HX3 6TR	Catseye (long type)
1213	Depressible embedded	P3B	3M United Kingdom PLC 3M Centre Cain Road Bracknell Berkshire RG12 8HT <a href="http://www.3m.com/uk/traffic">http://www.3m.com/uk/traffic</a>	3M™ Marker Series 590B

SUPERSEDED

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**ANNEX B**  
**STATUTORY TYPE APPROVAL**

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Traffic Signal and Control Equipment	B/2
Variable Message Signs	B/3

**NOTE**

**For further information and status of studs compliant with direction 58 of TSRGD 2002, please contact:**

Traffic Signs  
Department for Transport  
Traffic Management Division  
3/21 Great Minster House  
76 Marsham Street  
London  
SW19 4DR

E-mail: [Traffic.signs@dft.gsi.gov.uk](mailto:Traffic.signs@dft.gsi.gov.uk)

**1. ROAD STUDS INCORPORATING A STEADY OR INTERMITTENT LIGHT SOURCE AS DESCRIBED IN DIRECTION 57(2) OR (3) OF TSRGD 2002**

Specification Clause Number	Product Description	Product Type in BS EN 1463-1	Manufacturer	Product Name
1213	Stud incorporating retroreflective material and a light source	N/A	Astucia (UK) Ltd 2 Kings Hill Avenue Kings Hill West Malling Kent ME19 4AW	DIRS Mark III

B/2

**2. TRAFFIC SIGNAL AND CONTROL EQUIPMENT**

Specification Clause Number	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Comments	
					Manufacturer's Drawings	Fixing Instructions
1217		For information and status of type approved traffic control equipment refer to Highways Agency document MCS215. This is available from the Traffic Control Systems and (Road) Lighting Team at Temple Quay House, 2, The Square, Bristol BS1 6HA.  Contact Richard Privett - Tel: 0117 987 8257 (GTN 372 8257)				

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## 3. VARIABLE MESSAGE SIGNS

Specification Clause Number	Product Type	Product Name Description	Manufacturer's Name & Address	Limitations on Use	Comments	
					Manufacturer's Drawings	Fixing Instructions
#1201		For information and status of type approved traffic control equipment refer to Highways Agency document MCS215. This is available from the Traffic Control Systems and (Road) Lighting Team at Temple Quay House, 2, The Square, Bristol BS1 6HA.  Contact Richard Privett - Tel: 0117 372 8257 (GTN 1371 8257)				

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**ANNEX C  
TYPE APPROVAL**

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Pavement Materials	C/5

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**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
		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

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**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 lined
		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

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## 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	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

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**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)	Adbuf Ltd Gibbs Marsh Trading Estate Stalbridge Sturminster Newton Dorset ST10 2RX Tel: 01963 362 640	Ditto	12 Jan 96	Contact point at Adbuf Mr C Walsh
		Trelleborg SM (Black)	Adbuf Ltd Gibbs Marsh Trading Estate Stalbridge Sturminster Newton Dorset ST10 2RX Tel: 01963 362 640	Ditto	4 Oct 96	Contact point at Adbuf Mr C Walsh

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## PAVEMENT MATERIALS

### 1. Concrete Pavement Repair Materials

#### (i) Techcrete Repair Materials:

There are two type of Techcrete repair materials avialble, Techcrete TBR for partial depth repairs and Techcrete R for thin bonded repairs. Copies of the specifications for installing these materials can be obtained from:

Roadtechs Europe Limited  
The Airfield  
Barondale Lane  
Topcroft  
Bungay  
Suffolk  
NR35 2BE

Tel. 01508 536360  
Fax. 01508 536160  
Email: info@ropadtech.net

However, before letting contracts to use this material, checks should be made that the specification is the same as that registered with the Highways Agency's Pavement Engineering Group.

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**ANNEX D  
REGISTRATION**

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Bridge Deck Expansion Joints	D/5
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## PAINTS AND SIMILAR PROTECTIVE COATINGS

Since 1 May 2005 a new scheme for the Paints and Similar Protective Coatings via the Highways Authorities' Product Approval Scheme (HAPAS) has been operated by the British Board of Agrément (BBA). This scheme replaces the Highways Agency's own scheme. Details of the HAPAS scheme are available from the BBA. Contact details are as follows:

British Board of Agrément  
PO Box No 195  
Bucknalls Lane  
Garston  
Watford  
Herts  
WD25 9BA

Tel: 01923 670844

As from 1 May 2005 only those Paints and Similar Protective Coatings products which have British Board of Agrément HAPAS Roads and Bridges certification are acceptable for installation.

Copies of British Board of Agrément HAPAS Roads and Bridges Certificates for those Paints and Similar Protective Coatings products that have gained approval can be downloaded from the BBA website:  
[www.bbacerts.co.uk](http://www.bbacerts.co.uk)

## 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

## PARAPET ANCHORAGES

Since 1 April 1998 a new scheme for the parapet anchorages via the 'Highways Authorities Product Approval Scheme' (HAPAS) has been in operation by the British Board of Agrément (BBA). Details of the scheme are available from the BBA. Contact details are as follows:

British Board of Agrément  
PO Box No 195  
Bucknalls Lane  
Garston  
Watford  
Herts  
WD25 9BA  
Tel: 01923 670844

As from 1 April 1999 only those products which have British Board of Agrément HAPAS Roads and Bridges certification are acceptable for installation.

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**BRIDGE DECK EXPANSION JOINTS**

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 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992 Jun 97
		Bayer/Pitchmastic Buried Joints BP1 BP2 BP3 BP4	Manufacturer: Bayer plc 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
		Serviseal Type B (Deck Flashing)	W. R. Grace Ltd Servicised Expansion Jointing & Waterproofing Ajax Avenue Slough Berkshire SL1 4BH		1992

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**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Buried Joint	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
		Uniflex Joint Type A, Type B Type C	Universal Sealants (UK) Ltd Kingston House 3 Walton Road Pattinson North District 15 Washington Tyne and Wear NE38 8QA		Mar 95
		Sentinel B5 Sentinel B10 Sentinel B15 Sentinel B20	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF		Oct 97 Nov 96 Oct 97 Oct 97

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Asphaltic Plug Joint	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 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992
		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
		PJ100	Lilley (Construction) Services Ltd Mid Suffolk Business Park Potash Lane Eye Suffolk IP23 7HE		Jan 96

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Asphaltic Plug Joint	RAB Joint	RAB Associates Longstone Lane Ashford Bakewell Derbyshire DE45 1NH		Jun 93
		<b>Thormajoint</b> BJ200 Green BJ200 Blue BJ200 Super BJ200 ST <b>Zebrajoint</b>	Prismo Products Ltd 5 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX		1992  April 02 1992
		Viajoint	Freyssinet Ltd 6 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		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

**BRIDGE DECK EXPANSION JOINTS**

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	CN2 (Cementitious)	RAB Associates Longstone Lane Ashford Bakewell Derbyshire DE45 1NH		1992
		Strelax Polyurethane Mortar Wabocrete FMV Polyureide Mortar	Degussa Construction Chemicals (UK) Albany House Swinton Hall Road Swinton Manchester M27 4DT Distributor: AWA Systems 4 Regents Court Southway Walworth Industrial Estate Andover SP10 5NX	Use Wabocrete FMV only with Wabo ER	1992 Feb 96
		Sentinel Nosing Mortar PE Sentinel Nosing Mortar FC	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF		Dec 04

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	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 Flex Meadow Merring Way Harlow Essex CM19 5TD	Transition Strip Only	1992
	Nosing Joint	Masterflex J Seals W25, W30, W40, W50 and FW25, FW30, FW40, FW50 W65, FW65	Degussa Construction Chemicals (UK) Albany House Swinton Hall Road Swinton Manchester M27 4DT Distributor: AWA Systems 4 Regents Court Southway Walworth Industrial Estate Andover SP10 5NX		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

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Nosing Joint	Advanced Nosing Joint System	ASL Contracts Ltd 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		Mar 03
		Sentinel NJ 10 Sentinel NJ 12 Sentinel NJ 20 Sentinel NJ 40	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF	Using Sentinel Mortar FC	Dec 04
	Elastomeric	"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 "M" Joint "N" Joint Multiflex T30, T60, T80, T140, T160, T230, T330, S50, S80, S100, S160, S200, S250, S350	Freyssinet Ltd 6 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		1992  May 2006

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric	Euroflex M20,M45, M60, M80, M100, M140, M200, M260, M330	ASL Contracts Ltd 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		
		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	Degussa Construction Chemicals (UK) Albany House Swinton Hall Road Swinton Manchester Distributor: AWA Systems 4 Regents Court Southway Walworth Industrial Estate Andover SP10 5NX		1992

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	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 LG12 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 30 (Single Element) BETA 50 (Single Element) 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 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		March 03  March 03  Jan 00 Jan 00 Jan 00 Jan 00 Jan 01

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric in metal runners	Cipec WOSd (Single Element)	Freyssinet Ltd 6 Hollinswood Court		1992
		Cipec WR (Single Element)	Stafford Park 1 Telford		1992
		Freyssinet 'P' Joint (Single Element)	Shropshire TF3 3DE		1992
		JEP 3 and JEP 5			May 04
		JEP 8 (Single Element)			Mar 06
		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
		Maurer DS 160B to DS1200B (Multi-Element)	Aylesbury Buckinghamshire		Jan 95
		Maurer DS 160T to DS1200T (Multi-Element)	HP18 9EJ		Dec 96
		Maurer Elastoblock (Single Element)			1992
		Maurer Betoflex (Single Element)			Nov 92

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric in	WABO modular joint system E80 to E 1200 (Single and Multi-Element) Wabo ER E32 E64 E101 E130 SE300 SE400 (All Single Element)	Degussa Construction Chemicals (UK) Albany House Swinton Hall Road Swinton Manchester M27 4DT Distributor: AWA Systems 4 Regents Court Southway Walworth Industrial Estate Andover SP10 5NX		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) T Mat (Single Element) T10, T30, T40, T80	Ekspan Ltd 410 Brightside Lane Sheffield S9 2SP		1992  March 03
		3W (Single & multi-element)	ASL Contracts Ltd 4 Regents Court Southway Walworth Industrial Estate Andover Hampshire SP10 5NX		1992

**BRIDGE DECK EXPANSION JOINTS**

Specification Series	Product Type	Product Name Description	Manufacturer's Name and Address	Limitations on Use	Date Registered by HA
2300	Elastomeric in metal runners	Sentinel EMR 35 Sentinel EMR 50 Sentinel EMR 80	Stirling Lloyd Polychem Ltd Union Bank King Street Knutsford Cheshire WA16 6EF		Dec 04
	Comb or Tooth Joint	Cipec Wd Cipec Wp	Freyssinet Ltd 6 Hollinswood Court Stafford Park 1 Telford Shropshire TF3 3DE		1992

## ROAD RESTRAINT APPROVAL LIST

For the latest list of road restraints systems approved for use on the Highways Agency's road network, please visit the following website:

<http://www.highways.gov.uk/business/8720.aspx>

SUPERSEDED