



Members Certificated Road Studs

Listed below are details of permanent retroreflective road studs supplied by REMA Members that have been tested and certificated to the relevant British/European Standards. REMA is aware of only one other certificated product available for UK use but this is supplied by a non-member and is therefore not included. The relevant standards for certification are:

BS EN 1463-1:2009 Road Marking Materials-Retroreflecting Road Studs Part 1 : Initial performance requirements.

BS EN1463-2: 2000 Road Marking Materials-Retroreflecting Road Studs Part 2 : Road Test performance specifications.

All these products also conform to the requirements for Road Studs detailed in the Traffic Sign Regulations and General Directions (TSRGD) 2002* which is a legal requirement for road studs to be used on the public highway in the United Kingdom.

Please note that there is not yet a standard covering road studs that incorporate both reflectors or retroreflecting material and a steady or intermittent light source and that these are therefore subject to special Type Approval by the Secretary of State for Transport. Studs that have been approved in this way and that are supplied by REMA members are shown in the final section of this list.

To purchase or to enquire about any of the products listed below please contact the manufacturers concerned using the contact details on the 'Members' page of the REMA website www.rema.org.uk. All these certificated products must be installed in accordance with the manufacturers' instructions.

Manufacturer	Product Name	Stud Type	Performance Classes	Road Trial
			Before Use	Performance
			BS EN 1463 Part1: 2009	BS EN 1463 Part 2: 2000
Depressible Road Studs – Embedded			TSRGD 2002 Requirement* H1 or H2 or H3 S1 and R1 or R2 or R3 HD1, PRP1 and NCR1	
Lightdome Road Products (a division of Industrial Rubber plc.)	Mk 8A in Long Metal Base LD0005	P1B	H2, HD1, PRP1, NCR1	S1 and R1
	Mk 8A in Long Plastic Base LD0008	P1B	H2, HD1, PRP1, NCR1	S1 and R1
	Mk 100A in Long Metal Base LD0005	P1B	H2, HD1, PRP1, NCR1	S1 and R1
	Mk 100A/Round Metal Base LD2010	P1B	H2, HD1, PRP1, NCR1	S1 and R1
	Mk 100A/Round Plastic Base LD0010	P1B	H2, HD1, PRP1, NCR1	S1 and R1
Reflecting Roadstuds Ltd	Catseye (long Type)	P1B	H3, HD1, PRP1, NCR1	S1 and R1
3M United Kingdom plc	590B with 3M shoe	P3B	H3, HD1, PRP1, NCR1	S1 and R2

Non-Depressible Road Studs – Embedded			TSRGD 2002 Requirement* H1 or H2 S1 and R1 or R2 or R3 HD1, PRP1 and NCR1	
Armourstud Ltd	MK6a	P3A	H1, HD1, PRP1, NCR1	S1 and R1
	360 degree (19mm)	P1A	H2, HD1, PRP1, NCR1	S1 and R1
	360 degree HRS (14mm)	P1A	H1, HD1, PRP1, NCR1	S1 and R3
Roadcraft Products Ltd	101 CR (Stimsonite 944 insert)	P3A	H1, HD1, PRP1, NCR1	S1 and R1
	301 (with 3M 290 insert)	P3A	H1, HD1, PRP1, NCR1	S1 and R1
Ennis Paint Inc (Stimsonite) c/o Prismo Road Markings Ltd	381.C80	P3A	H2, HD1, PRP1, NCR1	S1 and R1
Lakeside Films Ltd (Eurimex International)	Euristud LL HD	P3A	H1, HD1, PRP1, NCR1	S1 and R1
Lakeside Films Ltd (Eurimex International) UK and Ireland distributor for Seih-Ying (Europe) Ltd	Siglite 19mm	P1A	H2, HD1, PRP1, NCR1	S1 and R1
	Siglite 14mm	P1A	H1, HD1, PRP1, NCR1	S1 and R1

Non-Depressible Road Studs – Surface Bonded			TSRGD 2002 Requirement* H1 or H2, S1 and R1 or R2 or R3 HD1, PRP1 and NCR1	
3M United Kingdom plc	290 Series	P3A	H1, HD1, PRP1, NCR1	S1 and R1
Ennis Paint Inc. (Stimsonite) c/o Prismo Road Markings Ltd	911	P3A	H2, HD1, PRP1, NCR1	S1 and R1
	948	P3A	H1, HD1, PRP1, NCR1	S1 and R1
	953	P3A	H1, HD1, PRP1, NCR1	S1 and R1
	980	P3A	H1, HD1, PRP1, NCR1	S1 and R1
Lakeside Films Ltd (Eurimex International)	Ray-O-Lite 2002 AR	P3A	H1, HD1, PRP1, NCR1	S1 and R2
	Ray-O-Lite Round Shoulder	P3A	H1, HD1, PRP1, NCR1	S1 and R2
	Ray-O-Lite Square Shoulder	P3A	H2, HD1, PRP1, NCR1	S1 and R2
	Euristud AL	P1A	H1, HD1, PRP1, NCR1	S1 and R2

Temporary Road Studs – Surface Bonded			TSRGD 2002 Requirement* T1A or T2A or T3A H1 or H2 S1 and R1 or R2 or R3 HDT1 and PRT1 DCR1, DV1 and NCR1	
Roadcraft Products Ltd	Safemark	T3A	H1, HDT1, PRT1, NCR1 DCR1, DV1	S1 and R2
W J Roadmarkings Ltd	Contramark 2000	T3A	H1, HDT1, PRT1, NCR1 DCR1, DV1	S1 and R2

*Classes For Road Studs as specified in TSRGD 2002 (from BS EN 1463 Parts 1 and 2) are as follows:-

Item	Description of stud	Requirement or test specification and class
1	Non-depressible road stud	Dimensions : height - class H1 or H2
2	Depressible road stud	Dimensions : height - class H1, H2 or H3
3	Permanent road stud	Dimensions : maximum horizontal dimension exposed to traffic: HD1
4	Temporary road stud	Dimensions : minimum horizontal dimension exposed to traffic: HDT1
5	Permanent road stud	Night-time visibility : photometric requirements - class PRP1
6	Temporary road stud	Night-time visibility : photometric requirements - class PRT1
7	Temporary road stud	Daytime visibility : colour of body of stud
		- class DCR1 fluorescent green-yellow
		- class DV1
8	Any stud	Colorimetric requirements - class NCR1 for white, amber, red or green reflectors
9	Any stud	Primary assessment - class S1
10	Any stud	Night-time visibility assessment - class R1, R2 or R3

NOTE: Expressions used in the table bear the same meanings as in the European Standards.

Studs incorporating both reflectors or retroreflecting material and a steady or intermittent light source			TSRGD Requirement Details can be found in TSRGD 2002, Regulations 57 and 58
Clearview Traffic Group Ltd	Astucia DIRS Mark III		No applicable performance standards
	Astucia SFS Mark 1		
	Astucia Ecostud SIRS Mk 2		
	Astucia SFS Mk 4		