

G. Sign Materials and Manufacture

This section contains detailed advice on how to make traffic signs, but it is not an approved technical specification for signs in Bangladesh. Any person or authority wishing to procure signs must satisfy themselves that the specification they use will meet their requirements.

G1 Post-mounted Traffic Signs

G1.1 General Requirements

The materials used in the signs and the method of construction shall comply with British standards (BS873 'Road Traffic Signs and Internally Illuminated Bollards' – Part 6, 1983) or the equivalent American standards (FP-85 Federal Highway Administration 'Standard Specification for Construction of Roads and Bridges on Federal Highway Projects'). Alternative standards of construction may be proposed, but in all cases they must conform to an internationally-recognised standard. The elements of a traffic sign are:

- sign face – the design may be produced by coating the sign plate or applying reflective sheeting
- sign plate (or sub-strate)
- sign support frame
- sign poles

G1.2 Colours

Standard colours must be used on a traffic sign and these should comply with the Table 4 chromaticity co-ordinates and Table 5 luminance factors taken from BS873: Part 6: 1983 or the equivalent American standards FP-85, section 718.01(a) or ASTM D4956 American Society for Testing and Materials 'Standard Specification for Retroreflective Sheeting for Traffic Control'. For comparative purposes the following gloss paint colours specified in BS 381C 'Specification for colours for identification, coding and special purposes' will satisfy the colour requirements:

Red	No. 537	Signal Red
Orange	No. 557	Light Orange
Yellow	No. 355	Lemon Yellow
Green (1)	No. 226	Middle Brunswick Green
Green (2)	No. 225	Light Brunswick Green
Blue	No. 109	Middle Blue
Grey	No. 693	Aircraft Grey

Green (1) is the background colour used for route signs. Green (2) is used for the green parts of other signs.

G1.3 Reflectorisation

What is reflectorisation ? - Traffic signs are reflectorised by making the sign face from retroreflective sheeting. This is a special type of reflective material which reflects light back to the light source. For simplicity this will be referred to hereafter as reflective sheeting.