

General Notes for Passive Sign Supports

1) All passive sign support(s) type/quantity are determined by the following criteria:

- (i) sign width
- (ii) sign height
- (iii) sign mounting height
- (iv) embankment/slope or flat surface

The sign structure is then subjected to a computer simulation where the wind forces (either supplied to customer specification or from BS EN 12899-1) are applied and thus an instruction is made as to the most suitable passive sign support(s) required for the individual sign application.

The wind loads applied to the sign structure detailed in this quotation are from BS EN12899-1 clause 5.3.2.1, either in accordance with BS EN 1991-1-4 Eurocodes (from First Design Principles) or from the recommended wind load classification as detailed in the National Annex to BS EN 12899-1.

- 2) Signpost Solutions have endeavoured to interpret the supplied details to the best of our ability. The responsibility for ensuring all details are correct is that of the customer. Signpost Solutions cannot be held responsible for any errors due to misinterpretation.
- 3) The quantity of sign fixings have been calculated with signs manufactured in 600mm deep modules, using appropriate channel sections for post spacing as per industry standards.
- 4) Please see windload document provided for guidance on recommended foundation design(s). Please ensure you refer to our installation method statement which can be found at www.signfix.co.uk before starting foundation/installation works. For all installations, we recommend a site specific design of the foundation be sought from a qualified Structural Engineer.
- 5) The passive sign support(s) recommended in this quotation have been designed in accordance with the stated sign details provided. If alternative signage parameters are at any time required, please contact Signpost Solutions as this may adversely affect the performance of the passive sign support(s) quoted.
- 6) Signpost Solutions are not responsible for the completion of BD2/05 Certification. It is the responsibility of the sign designer to instigate this approval procedure (applicable to passive sign support(s) over 7mtrs in height), prior to installation of the structure.
- 7) The passive sign support(s) are classified as non energy (NE) and comply with the requirements of BS EN 12767.
- 8) Unless stated within the quotation it is assumed that all signs are mounted centrally on the passive sign support(s) and therefore no allowance is made within the wind loading calculations for offsetting the sign face. If an offset of the signface is required, please contact Signpost Solutions for further technical assistance.

- 9) As per BS EN 12767, the minimum mounting height recommendation (from road level, for the edge of sign closest to the carriageway) is 1800mm, with a bottom channel stiffener positioned at 2000mm from ground level.

We advise that for alternative mounting heights below this recommendation, a risk analysis should be carried out and agreement sought from the overseeing Highway Authority, prior to order placement.

For further clarification, Highways England or similar notified body should be contacted.

- 10) Prices submitted on illuminated passive sign support(s) exclude lantern, cabling, passive disconnection system etc. Please contact your preferred supplier for these items.
- 11) For multi passive sign support assemblies, the minimum centre-centre spacing is detailed below:

Lattix Mast	
Mast Type	Centre-Centre Distance
4412	1766mm
4420	1869mm
4425	1937mm
4438	2114mm

Optimast	
Mast Type	Centre-Centre Distance
127	1731mm
168	1774mm
219	1828mm
244	1855mm
400	2022mm