

TG1 compliant designs should only be used if the applicable solution, selected from Appendix B, meets the requirements defined in the client brief and the site wind factor doesn't not exceed the specified limit. The scaffolding contractor must assess the site wind factor using the TG20:21 eGuide via the NASC portal, as described in Appendix A of this guidance.

The output on the compliance sheet (e.g. Wind factor 22 Low) must then be compared to ensure that it is within the permissible wind limit detailed on the selected TG1 design drawing shown in Appendix B.

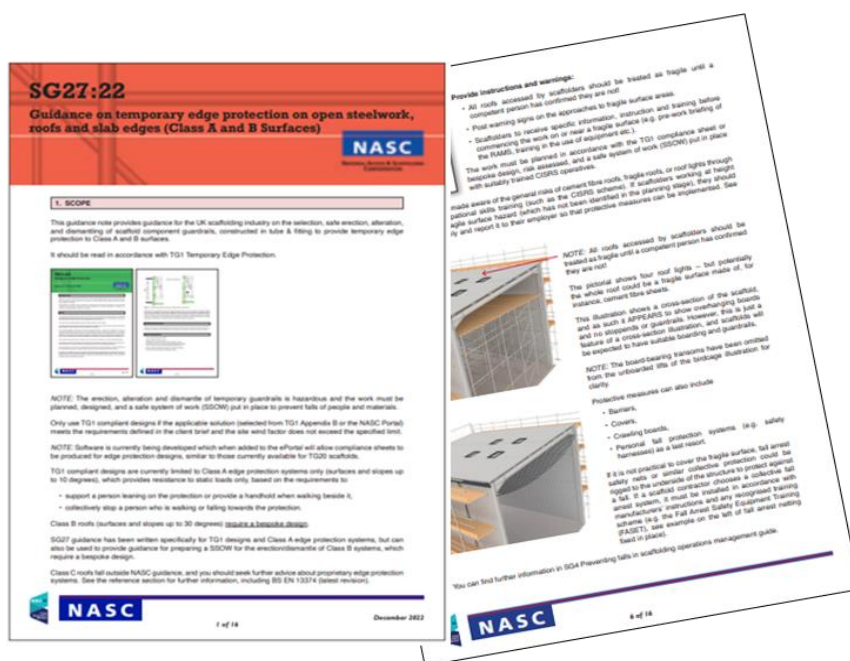
Class A static load-cases allow for 'in service' and 'out of service' conditions, as well as accidental loading.

This guidance assumes that readers are competent with appropriate knowledge, training and experience to select a suitable TG1 compliant design that meets specific site and wind loading requirements.

For details of the selection, erection, alteration and dismantling of edge protection constructed with tube and fittings and information required by designers, please refer to NASC guidance documents SG27 'Temporary edge protection on open steelwork, roofs and slab edges' and TG21 'A guide for commissioning a scaffold design', which should both be read in conjunction with this document.

The edge protection system must be adequately restrained, allowing for all design loads and to meet the specified criteria for strength, stability, and deflection.

Where roof edge protection is supported from an existing permanent structure (e.g. beams, stanchions, roof slabs, walls, balustrades, parapets etc.) the client is responsible for ensuring that the existing structure is adequate to support the additional imposed loading. The client may appoint a specialist sub-contractor to advise if the permanent structure is suitable.



The fifteen standard solution designs include roof/floor edge protection with connections to roof and floor steelwork, connections to steel and concrete columns, support from ground level with ties or ballast, connections to wall openings, stairwells and parapet walls.

Examples of typical designs are included below.

EXAMPLES OF TYPICAL DESIGNS INCLUDED WITHIN TG1

Please note that these examples are 'provisional' only and should not be used for construction.

