

Extracts from BS 5975 2008 Amended 2011

Classifications of Temporary Works into Categories of Risk

(Temporary Works Designer (TWD), Temporary Works Design Checker (TWDC))

Risk Category	Scope	Comment on designer input (TWD)	Independence of checker (TWDC)
0	Restricted to approved standard solutions only, to ensure the site conditions do not conflict with the scope or limitations of the chosen standard solution; open mesh proprietary fencing	This applies to the use of standard solutions and not the original design, which will require both structural calculation and checking to category 1, 2 or 3, as appropriate.	Because this is a site issue, the check may be carried out by another member of the site or design team.
1	For simple designs, e.g. formwork less than 3m high; false work under 3m high (freestanding); needling & propping brickwork: single storey; trenches under 3m deep in good ground; removal of ceiling grids; solid hoardings 3m high or more	Such designs would be undertaken using simple methods of analysis and be in accordance with the relevant standards, supplier's technical literature or other reference publications.	The check may be carried out by another member of the design team.
2	On more complex or involved designs, e.g. Designs for excavations/sheet piling over 3m deep; structural steelwork and other propping; reinforced concrete over 3m high; facade retention; tower crane bases; underpinning	Category 2 checks would include designs where a considerable degree of interpretation of loading or soils' information is required before the design of the foundation or excavation support or slope.	The check should be carried out by an individual not involved in the design and not consulted by the designer.
3	For complex or innovative designs, which result in complex sequences of moving and/or construction of either the temporary works or permanent works	These designs include unusual designs or where significant departures from standards, novel methods of analysis or considerable exercise of engineering judgement are involved.	The check should be carried out by another organisation

Examples of Temporary Works and their Temporary Works Risk Category

No	Description	*BS5975 Category 0 / 1 / 2 / 3
01	Site logistics & traffic management plan	0
02	Perimeter hoardings as standard design.	0
03	Main large site signboard & foundations as standard design.	0
04	Heras fence to site perimeter installed to manufacturer's details to prevent overturning.	0
05	Perimeter hoarding to subcontractor bespoke design	1
06	Foundations to stacking site accommodation. Can be category 0 if standard solution available from supplier	1
07	Foundation slab for Mortar Silo as standard design solution	0

08	Basic standard scaffold as defined and configured in TG20-13. Scaffolder needs to confirm compliance	0
09	Non basic special scaffolds including birdcages, cantilever, loading bays, guardrails, temp roofs, crash decks, support scaffolds etc.	1 or 2
10	Assessment of ground conditions for excavations not requiring earthworks support	0
11	General excavations to drainage using proprietary trench & manhole boxes as manufacturers spec.	0
12	Designed earthworks support for deep excavations, underground tanks.	1 or 2
13	Piling platform for the installation of concrete or steel sheet platform and support of associated plant	1 or 2
14	Design and possible testing of lifting platforms for mobile crane and associated plant and loads	1 or 2
15	Edge protection guarding to floors, openings & roof of new and existing buildings. Can be category 0 if proprietary system used.	1
16	Safety netting and platforms as fall arrest for installing metal decking, precast floor slabs, roofing works etc. Can be category 0 if proprietary system.	1
17	Design of formwork and false work to walls, columns, beams floors, foundations etc.	1 or 2
18	Temporary support works to form openings in existing structures.	1 or 2
19	Temporary support and bracing to structures until in stable designed condition.	1 or 2
20	Temporary site haul and access roads	0
21	Stable MEWP running platforms for access and working at high level	1
22	Design and installation of foundation for Tower Cranes bases	2 or 3
23	Design and installation of steel sheet piling walls as earthworks support to retaining walls basements etc.	1 or 2
24	Temporary protection to existing services	0,1 or 2
25	Temporary protection to trees (with and without TPO's)	0
26	Structural assessment and temporary support of existing structures to take construction loads.	
27	Demolition in a controlled manner to prevent progressive collapse	