

0541P TATE CONCORE ACCESS FLOORS

Worksection abstract

This branded worksection *Template* is applicable to TATE raised pedestal access floor systems.

Background

There is no central standard since AS 4154 was withdrawn in 2016.

Systems may include service elements such as sub-floor gas flooding, air conditioning, cable trays, smoke detection and sub-floor drainage. Airtight construction requires coordinated effort.

Guidance text

All text within these boxes is provided as guidance for developing this worksection and should not form part of the final specification. This *Guidance* text may be hidden or deleted from the document using the NATSPEC Toolbar or the hidden text *Hide* and *Delete* functions of your word processing system. For additional information visit FAQs at www.natspec.com.au.

Optional style text

Text in this font (blue with a grey background) covers items specified less frequently. It is provided for incorporation into *Normal* style text where it is applicable to a project.

Related material located elsewhere in NATSPEC

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0181 Adhesives, sealants and fasteners.*
- *0315 Concrete finishes* for substrate surface treatment (i.e. sealants to suppress dust).
- *0551 Joinery* for ramps, if not part of the access floor system.
- *0652 Carpets* for carpet panel finish.

Documenting this and related work

You may document this and related work as follows:

- Layout, height and dimensions with finished floor levels of the access floor and its substrate to your office documentation policy.
- The location of perforated or louvred panels and similar accessories should be shown on the drawings. If perforated panels are specified, the percentage open area should also be stated.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

Specifying ESD

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

TATE is an industry leader in the design, manufacture and installation of Access Floors, Structural Ceiling systems, Aisle Containment solutions and Airflow Panels for the commercial office and data centre markets. TATE Access Floors has been manufacturing since 1952, employs over 500 people globally, has 6 manufacturing sites and has installed over 18 million SQM of raised floor globally. TATE is a wholly owned subsidiary of Kingspan Plc Ireland.

1.1 RESPONSIBILITIES

General

Requirement: Provide TATE access floors consistent in finish treatment, as documented.

Documented is defined in *0171 General requirements* as meaning contained in the contract documents.

Products and finishes should be selected to be resistant to impacts expected in use.

1.2 COMPANY CONTACTS

TATE technical contacts

Website: www.tateaccessfloors.com.au/

1.3 CROSS REFERENCES

General

Requirement: Conform to the following:

- 0171 General requirements.

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

1.4 MANUFACTURER'S DOCUMENTS

Technical manuals

Website: www.tateConCore.com.au/

1.5 INTERPRETATION

Abbreviations

General: For the purpose of this worksection the following definitions apply:

- HPL: High pressure laminate.
- LFFH: Low finished floor height.
- UFAD: Underfloor air distribution (plenum systems).

1.6 TOLERANCES

General

Requirement: Conform to the following:

- Maximum horizontal deviation from true floor grid (mm): ± 2 mm over an enclosed area.
- Maximum deviation of a grid line from straight: ± 2 mm over an enclosed area.
- Surface level (mm): ± 3 mm over an enclosed area.
- Maximum gap between panels (mm): ± 0.4 mm over between panels.

Panel dimensional tolerances

Panel flatness: For floor panels under no-load conditions, as follows:

- Concavity or convexity: Not more than 0.75 mm when measured horizontally parallel to any edge or diagonally across a 600 mm module.
- Deviation of any corner to the other three corners due to twisting: Not more than 1.00 mm over a 600 mm module.

Panel squareness: Panel deviation from square not more than 0.06% of the shorter diagonal length.

Panel dimensions: Panel deviation from the work size not more than ± 0.5 mm.

1.7 SUBMISSIONS

Fire hazard properties

Requirement: Submit evidence of conformance to PRODUCTS, **GENERAL, Fire hazard properties.**

Operation and maintenance manuals

General: On completion, submit bound recommendations for the care and maintenance of the access floor, and operating instructions for panel removal and height adjustment.

Products and materials

Manufacturer's data: Submit the manufacturer's published product data including diagrams and illustrations.

Type tests: Submit results, as follows:

Type tests are carried out off-site. However, submission of evidence of a successful type test may be called up here for requirements specified in **SELECTIONS** or **PRODUCTS**, if there are no **SELECTIONS**.

- Slip resistance to AS 4586.

Prototype

Description: Erect a prototype of the access floor, including at least one example of each of the components.

Location and extent: [complete/delete]

Air plenum: Make sure all parties responsible for constructing or penetrating the underfloor air plenum participate in the prototype, consisting of all plenum components, penetrations, seams and openings.

Samples may also be required, depending on method of specifying, particularly for factory-applied finishes such as carpet or vinyl. Amend to suit the project.

Shop drawings

General: Submit shop drawings to a scale that best describes the detail, showing the following:

- Floor plan layout: Grid modules, interruptions to grid, location of stringers, panels requiring drilling or cut-out for services, location of non-standard panels, grilles, registers and perforated panels.
- Stringer section: Material and dimensions.
- Panel section: Construction, materials, dimensions and finishes.
- Pedestals: Material, dimensions, limit of vertical adjustment, method of locking, methods of attachment to floor and to stringers or panels.
- Edge details and junctions with adjoining work.

Amend to suit the project.

Subcontractors

General: Submit names and contact details of proposed suppliers and installers.

Evidence of experience: [complete/delete]

TATE Access Floor products and system are only to be installed by trained and approved employee's and register subcontract parties. If an air plenum is required, consider requesting evidence of previous experience.

Tests

The 0171 General requirements worksection covers tests in **Definitions** and calls for an inspection and testing plan under **SUBMISSIONS, Tests**.

Site tests: Submit results as follows:

- Air leakage of air plenums.

Warranties

Requirement: Submit the manufacturer's product warranties for the system and the individual components.

TATE Access Floors offer warranties of 5 years on product and 12 months on installation of the designed system.

1.8 INSPECTION**Notice**

Requirement: Give notice so that inspection may be made of the following:

- Pre-construction on-site prototype of air plenum.
- Subfloor services installed before access floor installation.
- Plenum sealing activities.
- Floor panels placed before surface covering, if not integral.

Amend to suit the project, adding critical stage inspections required.

Add **Hold points**, if required.

2 PRODUCTS**2.1 GENERAL****Fire hazard properties**

Critical radiant flux: Tested to AS ISO 9239.1.

Non-sprinklered buildings: The floor finish must have maximum *smoke development rate* of 750 percent-minutes tested to AS ISO 9239.1.

Refer to NATSPEC TECHnote DES 020 for further information on fire hazard properties.

Access floor system: [complete/delete]

Include the appropriate value from BCA C1.10 Table 2 for the building class. TATE products have been tested in accordance with BCA C1.10(a) requirements for fire hazard properties.

Product substitution

Other products: Conform to PRODUCTS, **GENERAL, Substitutions** in the *0171 General requirements* worksection.

The *0171 General requirements* worksection clause sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

Storage and handling

Requirement: Store access floor system and components in a dry and secure storage area unaffected by weather. Maintain an enclosed area to receive and store access floor materials at ambient temperatures between 1.7 to 35 C, and relative humidity levels between 20% and 80%. Performance

Use of this clause assumes that the contractor will design the access floor installation, at least in detail. This may not be appropriate if the contract is of the construct-only type. If using this clause, make sure that prescriptive requirements do not conflict. Also, review the **GENERAL** subsection.

2.2 PERFORMANCE

Use

Area function: [complete/delete]

e.g. General office, Computer room, Clean room. If there is more than one area function in the project, prepare a separate schedule for each.

Intended use of system: [complete/delete]

Choices include the following:

- A readily accessible underfloor space suitable for running electrical, mechanical, computer or communication services.
- An air supply plenum.
- A return air passage, which may include provision for laminar airflow as required in clean room systems.

Stability

General: Provide a completed floor system which is rigid, free from vibration, creep and squeaking, which has a smooth and uniform finished surface, and which will maintain these conditions when sufficient panels have been removed for normal access.

Access for maintenance: [complete/delete]

If required, add requirement here. See also NATSPEC TECHreport TR 07 on providing maintenance access.

Air tightness of air plenums

If using the underfloor space as a plenum, state the permissible air leakage rate per unit of plenum surface area at a nominal pressure differential. e.g. 3 L/(s.m²) of plenum surface area at 50 Pa pressure differential. Divide m³/(h.m²) by 3.6 to get L/(s.m²)

Requirement: Provide an edge to edge fit of the panels which is air tight within the following limits:

- Maximum: [complete/delete]
- Minimum: [complete/delete]

Include if a minimum limit is required.

2.3 TATE CONCORE® SYSTEMS

ConCore® Raised Access Floor panels are epoxy coated unitised shells consisting of a flat steel top sheet welded to a formed steel bottom sheet filled with a controlled mixture of lightweight cement infill.

TATE has a full range of panels engineered to meet both TATE Standards to CISCA testing methods and an extensive selection of understructure supports and floor finishes. TATE has 3rd party testing results for the Concore 800 series for all grades.

TATE ConCore 1250/60cm Bare Panel has been tested for fire resistance to EN 1363 and EN 1366-6. The specimen satisfied the performance requirements for the following periods:

Load bearing: > 90 minutes.

Integrity: > 90 minutes.

Insulation: 25 minutes.

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- Load bearing: > 90 minutes.
- Integrity: > 90 minutes.
- Insulation: 25 minutes.

General

Description: Raised access floor system comprising:

- Epoxy coated utilised shells consisting of a flat steel top sheet welded to a formed steel bottom sheet filled with a controlled mixture of lightweight concrete
- Powder coated understructure.
- Non-combustible.

Slip resistance classification: To AS 4586.

ConCore® 800

TATE's ConCore® 800 panel is for general office raised access floor applications.

Panel: ConCore® 800 ICSF800 Panel-60cm:

- Panel weight: 35.5 kg/m² bare.
- System weight: 38 kg/m².

Understructure system:

CornerLock system key performance characteristics:

- Provides self-engagement and positioning of floor panels.
- Self-capturing fastener remains within the panel and will not get lost.
- Steel pedestal head provides maximum strength.
- Pedestal nut provides anti-vibration and locking features.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.

Typical floor heights are from 150 mm to 400 mm.

- CornerLock options:
- Type 1A CornerLock Pedestal.
- Low Finished Floor Height CornerLock Pedestal.

Finish: Bare painted finish to accept third party carpet application.

ConCore® 1000

TATE's ConCore 1000 panel is for general office raised access floor applications.

Panel: ConCore® ICSF1000 Panel-60cm:

- Panel weight: 37.7 kg/m² bare.
- System weight:
 - . Using CornerLock: 40.3 kg/m².
 - . Using Bolted stringer: 45.15 kg/m².

Understructure system options:

- CornerLock 1000 options:
 - . Type 1A CornerLock Pedestal.
 - . Low Finished Floor Height CornerLock pedestal.
- Bolted Stringer 1000 options:
 - . Type 1A Bolted Stringer Pedestal.
 - . LFFH Bolted Stringer Pedestal.

Bolted Stringer system key performance characteristics:

- Designed for computer rooms, data centres, industrial applications and heavy rolling load areas.
- Allows floors to be built over 600 mm high.
- Panels can be gravity-held in understructure for fast removal and replacement

- Stringers provide lateral resistance for heavy rolling and seismic loading.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.
- Typical floor heights 300 mm to 900 mm.

- ConCore® 1000 UFAD Clip-on Stringer options.
 - . Type 1A UFAD Clip-on Stringer Pedestal.
 - . LFFH UFAD Clip-on Stringer Pedestal.

Clip-on Stringer system key performance characteristics:

- Design provides for self-engagement and positioning of floor panels.
- Self-capturing fastener remains within the panel – will not get lost.
- Steel pedestal head provides maximum strength.
- Pedestal nut provides anti-vibration and locking features.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.
- Typical floor heights from 150 mm to 400 mm.

- ConCore® 1000 UFAD Bolted Stringer options:
 - . Type 1A UFAD Bolted Stringer Pedestal.
 - . LFFH UFAD Bolted Stringer Pedestal.

Finish: [complete/delete]

Finish options:

- Hardwood.
- HPL.
- Carpet.

ConCore® 1250

TATE's ConCore 1250 panel is for general office raised access floor applications.

Panel: ConCore® ICSF1250 Panel-60cm:

- Panel weight: 39.3 kg/m² bare.
- System weight:
- Using CornerLock: 41 kg/m².
- Using Bolted stringer: 46.5 kg/m².

Understructure system options:

- CornerLock 1250 options:
 - Type 1A CornerLock Pedestal.
 - Low Finished Floor Height CornerLock Pedestal.
- Bolted Stringer 1250 options:
 - Type 1A Bolted Stringer Pedestal.
 - LFFH Bolted Stringer Pedestal.
- ConCore® 1250 UFAD Clip-on Stringer options.
 - Type 1A UFAD Clip-on Stringer Pedestal.
 - LFFH UFAD Clip-on Stringer Pedestal.
- ConCore® 1250 UFAD Bolted Stringer options:
 - Type 1A UFAD Bolted Stringer Pedestal.
 - LFFH UFAD Bolted Stringer Pedestal.

Finish: [complete/delete]

Finish options:

- Hardwood.
- HPL.
- Carpet.

ConCore® 1500

TATE's ConCore® 1500 panel is intended for raised access floor applications with light industrial needs which exceed that of general foot traffic in a commercial building.

Panel: ConCore® ICSF1500-60cm:

- Panel weight: 44 kg/m² bare.
- System weight:
- Using CornerLock: 48 kg/m².
- Using Bolted stringer: 52 kg/m².

Understructure system options:

- CornerLock 1500 options:
- Type 1A CornerLock Pedestal.
- Low Finished Floor Height CornerLock.
- Bolted Stringer 1500 options:
- Type 1A Bolted Stringer Pedestal.
- LFFH Bolted Stringer Pedestal.
- ConCore® 1500 UFAD Clip-on Stringer options.
- Type 1A UFAD Clip-on Stringer Pedestal.
- LFFH UFAD Clip-on Stringer Pedestal.
- ConCore® 1500 UFAD Bolted Stringer options:
- Type 1A Pedestal UFAD Bolted Stringer.
- LFFH UFAD Bolted Stringer Pedestal.

Finish: [complete/delete]

Finish options:

- Hardwood.
- HPL.
- Porcelain
- Carpet.

ConCore® 2000

TATE's ConCore® 2000 panel is intended for raised access floor applications with light industrial needs which exceed that of general foot traffic in a commercial building.

Panel: ConCore® ICSF2000-60cm:

- Panel weight: 50 kg/m² bare.
- System weight:
- Bolted stringer: 56 kg/m².
- Bolted Stringer 2000 options:
- Type 1A Bolted Stringer Pedestal.
- LFFH Bolted Stringer Pedestal.

Finish: [complete/delete]

Finish options:

- Hardwood.
- HPL.
- Porcelain
- Carpet.

ConCore® 2500

TATE's ConCore® 2000 panel is intended for raised access floor applications with light industrial needs which exceed that of general foot traffic in a commercial building.

Panel: ConCore® ICSF2000-60cm:

- Panel weight: 57.85 kg/m² bare.
- System weight:

- . Bolted stringer: 63.85 kg/m².
- Bolted Stringer 2500 options:
 - . Type 1A Bolted Stringer Pedestal.
 - . LFFH Bolted Stringer Pedestal.

Finish: [complete/delete]

Finish options:

- Hardwood.
- HPL.
- Porcelain
- Carpet.

Floor heights

Nominal finished floor height above substrate (mm): [complete/delete]

Maximum height of access floor (mm): [complete/delete]

Minimum height of access floor (mm): 150.

Applies to adjustable floors. May be reduced to 80 mm if adjustability is not required.

Minimum underfloor clearance to computer access floor (mm): [complete/delete]

Stringers: [complete/delete]

State whether required or not. Stringer-supported systems provide a higher degree of stability than stringerless systems (each suitable for particular purposes). Consult manufacturers. Stringerless systems may be gravity held, or gravity held and located by punched tabs, threaded fasteners, and the like. They are not recommended for use in computer rooms unless provided with a positive location and locking facility between floor panels and pedestal head.

2.4 ACCESSORIES

Ramps

Slope: Maximum 1:8.

Load characteristics: Match floor panels.

Specify cover plates (e.g. Flush extruded aluminium) at access floor junction.

Stairs

Requirement: [complete/delete]

Describe or refer to details.

Services

TATE cable access grommets: [complete/delete]

Select from:

- Air sealing grommets – improved efficiency and capacity.
- Rack level management – improved cooling effectiveness with proper rack hygiene.
- Aisle level management – improved airflow in every data centre aisle.

TATE air grilles to air plenums

Product: [complete/delete]

Select from:

DirectAire® AI – double the capacity of a typical grate.

DirectAire® - will cool the same load with half the airflow.

DirectAire® X2 – ideal for single panel width cold aisles.

DirectPerf 32% - same capacity as a typical grate.

TATE airflow panels offer lower operating costs in both new build and retrofit applications.

Conductive air grilles: Insulate from electrical earth.

Non-conductive air grilles: Do not expose metal screws.

Air flow rating: Base on pressure differential of 25 Pa with damper fully open, if applicable, and maximum face velocity of 2 m/s.

Adjustability: [complete/delete]

Adjustability: e.g. Required - state method if warranted.

Air plenum dividers

Air plenum dividers: [complete/delete]

Dividers may also be required for fire or smoke compartmentation, for example. Specify fire-resistance level, or construction. Specify gaskets, sealants.

Lifting devices

General: Required.

Number: [complete/delete]

Marking: If panels must not be lifted from the side, mark the lifting devices. Lift panel vertically at centre.

2.5 SUBFLOOR FINISHES

General

Understructure: Metallic-coated finish to all metal components.

Substrate surface sealer: Slabseal ABS 400.

e.g. proprietary acrylic sealer.

3 EXECUTION

3.1 PREPARATION

Working environment

General: Do not start work before the building is enclosed, wet work is complete and dry, and not subject to extremes or rapid variations of temperature or humidity. Protect adjoining surfaces.

Store all floor panels at ambient temperatures between 10° and 32°C and at relative humidity levels between 20% and 32%, for at least 24 hours before installation begins.

Subfloor

Cleaning: Remove debris, waste material, dust and oil from subfloor before sealing.

Sealing: Seal whole area below the access floor before installation including perimeter masonry walls as follows:

- First coat: Apply before commencement of access floor.
- Second coat: Apply ahead of pedestal installation.

Drainage: [complete/delete]

e.g. Required. For draining the underfloor space in case of accidental flooding, etc. Make provision for charging underfloor waste traps to maintain the water seal. Probably not carried out by access floor contractor.

Protection

Requirement: Provide temporary protection from surface damage and concentrated loads, during installation of the access floor and of items which it supports.

3.2 INSTALLATION

Site cutting

Requirement: Provide edge trim to site cut panels.

Pedestal bases

Requirement: Fix all pedestal bases with moisture curing, high early strength adhesive, recommended by the manufacturer for this application.

TATE recommends Fuller XMS Adhesive.

Air distribution

Air plenum sealing: [complete/delete]

Required when plenum is pressurized for air distribution. Specify the application of a low VOC sealant that permanently retains its flexibility to gaps in the building fabric located within the plenum. Nominate whether this is to be done by the access flooring contractor, or others. Make sure all wall linings passing through the access floor are sealed at the slab line. Seal all penetrations into cavity walls and slabs for air ducts, plumbing pipes, electrical conduit and voice/data cabling prior to installation of access floor. Refer to services consultant for advice.

Air plenum dividers: [complete/delete]

Form a 100 mm return leg to one edge of sheet metal plenum dividers. Before placing pedestals set return legs on the floor facing away from pedestals on a continuous bead of adhesive or sealant and fix with powder-actuated fasteners. (Pedestals can be fixed on top of return legs if this is unavoidable.) Fix plenum divider top hat sections over pedestal heads. Fix top edges of dividers to side of top hat sections with self-tapping screws and seal joint with duct tape. Seal joints between lengths of plenum dividers with duct tape. Apply plenum gaskets to top of top hats. Refer to documentation.

Air highways: [complete/delete]

An air highway is a dedicated underfloor air distribution duct formed in-situ.

Fix 100 x 75 x 0.5 mm galvanized steel angles to the edge of floor panels forming the air highway and in a corresponding position to the floor below. Seal angles to the floor, fix sheet metal plenum divider panels between the angles with self-tapping screws and seal joints with duct tape. Seal joints between floor panels and between lengths of plenum dividers with duct tape. Refer to documentation.

3.3 TESTING

0171 *General requirements* covers tests in **Definitions** and calls for an inspection and testing plan under **SUBMISSIONS, Tests**.

Completion tests

Air plenum test pressure (Pa): [complete/delete]

Coordinate with equipment and/or air conditioning specifications. Check if it is carried out by the air conditioning contractor. Edit as required. Testing, inspecting and reporting of air leakage should be performed by an independent commissioning agent. If a prototype is documented, make sure it is also inspected and tested to meet air leakage requirements.

3.4 COMPLETION

Maintenance manual

Contents: Include the following information:

- Limitation on maximum and minimum height of floor, cross-bracings, stringers or additional pedestal fixings required above a particular height.
- Limitation on adjustability.
- Installed mass of system per square metre.
- Maximum number and positions of panels that may be temporarily removed during servicing without endangering safety of floor system.
- Method of cleaning of floor covering with particular reference to adhesives and panel substrate, wet mopping, and use of waxes and floor polishes.
- Equipotential bonding method.

The manufacturer normally advises equipotential bonding method to all substantial metallic components.

Spares

Requirement: Supply pedestals, stringers and uncut floor panels (including finishes) of each type at a rate of 2% of total installation.

Storage location: [complete/delete]

Replacement

Corrosion: Replace corroded elements.

Cleaning

Requirement: Clean access floor thoroughly and make sure it is dust free, before delivery of items which it supports.

Air plenum: Vacuum underfloor area so it is free of dust, and metal filings.

Generally carried out by a specialist cleaning company. Dust-free surfaces are imperative in plenum and laminar air flow return spaces especially.

Sealing

Subfloor: Make sure vermin sealing of underfloor area has been completed.

4 SELECTIONS

Schedules are a way of documenting a selection of proprietary or generic products or systems by their properties. Indicate their locations here and/or on the drawings. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

4.1 SCHEDULES

Access floor schedule

Property	AF1	AF2	AF3
TATE ConCore panel system			
Use			
Critical radiant flux			
Strength grade			
Finished floor height above subfloor (mm)			
Panel type			
Understructure system			
Panel finish			
Slip resistance classification			

There are numerous combinations of panel type, understructure and floor heights. Final selection will depend on project specific requirements. Refer to structural and service consultants and TATE ConCore's representatives for advice.

TATE ConCore panel systems selections: Use link to the TATE Access Floors website for the selection and product characteristics.

AF1, AF2, AF3: These designate each instance or type or location of the item scheduled. Edit to align with the project's codes or tags.

Coordinate codes in the **Schedule** with those that appear on drawings.

Use: e.g. General office, Computer room, Clean room.

Critical radiant flux: Refer to BCA Spec C1.10 for finish to panels.

Strength grade: e.g. Medium, Heavy or Extra heavy, Industrial, Heavy industrial, Super industrial.

Finished floor height above subfloor: The requirements for underfloor services determine the height. Retrofit applications are determined by floor to ceiling height restrictions.

Pedestals, Stringers, Panels, Accessories: Use link to the TATE Access Floors website for the selection and product characteristics.

Vermin sealing: Not always carried out by access floor contractors.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 4586	2013	Slip resistance classification of new pedestrian surface materials
AS ISO 9239		Reaction to fire tests for floor coverings
AS ISO 9239.1	2003	Determination of the burning behaviour using a radiant heat source

The following documents are mentioned only in the *Guidance* text:

AS 4154	1993	General access floors (elevated floors)
BCA C1.10	2016	Fire resistance - Fire resistance and stability - Fire hazard properties
BCA Spec C1.10	2016	Fire resistance - Fire hazard properties
NATSPEC DES 020	2011	Fire behaviour of building materials and assemblies
NATSPEC GEN 006	2007	Product specifying and substitution
NATSPEC GEN 024	2015	Using NATSPEC selections schedules
NATSPEC TR 01	2018	Specifying ESD
NATSPEC TR 07	2015	Access for maintenance
EN 1363	2012	Fire resistance tests
EN 1366-6	2004	Fire resistance tests for service installations - Raised access and hollow core floors