# Feedback form: Building Product Specifications Consultation

# June 2025

The Ministry of Business, Innovation and Employment (MBIE) would like your feedback on the draft first edition of the Building Product Specifications, which can be viewed here:

<https://www.mbie.govt.nz/dmsdocument/30752-building-product-specifications-pdf>

Information about the Building Product Specifications and how it will be used is available here:

<https://www.mbie.govt.nz/dmsdocument/30754-discussion-document-for-building-product-specifications-pdf>

How to provide feedback

Please provide your feedback by **5pm, Monday 23 June 2025.**

You can provide feedback via Survey Monkey (<https://www.research.net/r/building-product-specifications-2025>) or by following the instructions on the next page to complete this feedback form and send it to us.

What we are seeking feedback on

Feedback is sought on the following aspects of the draft Building Product Specifications – you may respond to as many (or as few) sections as you wish:

Section 2.1 Concrete

Section 2.2 Reinforcement for concrete

Section 2.4 Steel

Section 2.5 Timber (incl. wall bracing)

Section 2.6 Siteworks

Section 3.2 Wall cladding

Section 3.4 Windows, external doors and glazing

Section 3.5 Insulation

Section 6.2 Heating, ventilation and air conditioning (HVAC) systems

Section 7.1 Properties of materials (fire)

Section 7.2 Fire resistance

Section 7.3 Closures including fire doors, smoke control doors, glazing, and dampers

Section 7.4 Fire properties of external wall cladding

Section 7.5 Fire spread on linings, coverings, and other materials

We are seeking **three key pieces of feedback** for each section:

1. Do you agree with each of the standards or reference documents proposed to be cited in the Building Product Specifications?
2. If not, for each citation you disagree with, why do you believe they are not suitable?
3. Do you have suggestions for standards or other references to be cited in future versions of the Building Product Specifications?

We also welcome suggestions for standards or other references in relation to other product types not covered above.

We appreciate your time and effort taken to respond to this consultation.

Instructions

**To make a submission using this form you will need to:**

1. Fill out your name, email address, phone number and organisation. If you are representing an organisation, please provide a brief description of your organisation and its aims, and ensure you have the authority to represent its views.
2. Fill out your responses to the feedback questions. You can answer any or all of these questions. Where possible, please provide us with evidence to support your views. Examples can include references to independent research or facts and figures.
3. If your submission has any confidential information:
4. Please state this in the email accompanying your submission, and set out clearly which parts you consider should be withheld and the grounds under the Official Information Act 1982 (Official Information Act) that you believe apply. MBIE will take such declarations into account and will consult with submitters when responding to requests under the Official Information Act.
5. Indicate this on the front of your submission (e.g. the first page header may state “In Confidence”). Any confidential information should be clearly marked within the text of your submission (preferably as Microsoft Word comments).
6. Note that submissions are subject to the Official Information Act and may, therefore, be released in part or full. The Privacy Act 2020 also applies.
7. Submit your feedback:
8. As a Microsoft Word document by email to **building@mbie.govt.nz** with the subject line:*Consultation* ***–*** *Building Product Specifications*
9. By mailing your submission to:

Consultation – Building Product Specifications

Attn: Dave Gittings

Ministry of Business, Innovation and Employment  
PO Box 1473, Wellington 6140  
New Zealand

# Submitter information

MBIE would appreciate if you would provide some information about yourself. If you choose to provide information in the section below, it will be used to help MBIE understand how different sectors view the proposals and options for requiring and achieving minimum onshore fuel stockholding. Any information you provide will be stored securely.

**Your name, email address, phone number and organisation**

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|  | The Privacy Act 2020 applies to submissions. Please tick the box if you do **not** wish your name or other personal information to be included in any information about submissions that MBIE may publish. |
|  | MBIE may upload submissions and potentially a summary of submissions to its website, [**www.mbie.govt.nz**](http://www.mbie.govt.nz). If you do **not** want your submission or a summary of your submission to be placed on either of these websites, please tick the box and type an explanation below: |

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| I do not want my submission placed on MBIE’s website because… [insert reasoning here] |

**Please check if your submission contains confidential information**

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|  | I would like my submission (or identifiable parts of my submission) to be kept confidential, and **have stated** my reasons and ground under section 9 of the Official Information Act that I believe apply, for consideration by MBIE. |

**Section 2.1 Concrete** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications (section 2.1.1 Concrete testing)?

|  |  |
| --- | --- |
| **NZS 3112.2:1986** Methods of test for concrete – Part 2: Tests relating to the determination of strength of concrete | Yes  No |
| **AS 1012.1:2014** Methods of testing concrete – Method 1: Sampling of concrete | Yes  No |
| **AS 1012.9:2014** Methods of testing concrete – Method 9: Compressive strength tests – Concrete, mortar and grout specimen | Yes  No |
| **AS 1012.8.1:2014** Methods of testing concrete – Method for making and curing concrete - Compression and indirect tensile test specimens | Yes  No |
| **AS 1012.14:2014** Methods of testing concrete – Method 14: Method for securing and testing cores from hardened concrete for compressive strength and mass per unit volume | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 2.2 Reinforcement for concrete** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

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| **AS/NZS 4671:2019** Steel for the reinforcement of concrete | Yes  No |
| **ASTM A706/A706M-24** Standard specification for deformed and plain low alloy steel bars for concrete reinforcement | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other product standards that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 2.4 Steel** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **AS 1397:2011** Continuous hot-dip metallic coated steel sheet and strip – Coatings of zinc and zinc alloyed with aluminium and magnesium Amendment 1 | Yes  No |
| **AS 1397:2021** Continuous hot-dip metallic coated steel sheet and strip – Coatings of zinc and zinc alloyed with aluminium and magnesium | Yes  No |
| **ISO 4998:2023** Steel sheet, zinc‐coated and zinc‐iron alloy‐coated by the continuous hot‐dip process, of structural quality | Yes  No |
| **ISO 9364:2017** Steel sheet, 55 % aluminium-zinc alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities | Yes  No |
| **ISO 3575:2016** Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities | Yes  No |
| **ISO 3575:2025** Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities | Yes  No |
| **AS/NZS 4680:2006** Hot-dipped galvanized (zinc) coatings on fabricated ferrous articles (R2017) | Yes  No |
| **ISO 1461:2022** Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods | Yes  No |
| **AS/NZS 1163:2016** Cold-formed structural steel hollow sections | Yes  No |
| **BS EN 10219-1:2006** Cold formed welded structural hollow sections of non-alloy and fine grain steels, Technical delivery requirements | Yes  No |
| **BS EN 10219-2:2019** Cold formed welded structural hollow sections, Tolerances, dimensions and sectional properties | Yes  No |
| **BS EN 10219-3:2020** Cold formed welded steel structural hollow sections, Technical delivery conditions for high strength and weather resistant steels | Yes  No |
| **AS/NZS 1594:2002** Hot-rolled steel flat products (R2016) | Yes  No |
| **AS/NZS 3678:1996** Structural steel – Hot-rolled plates, floorplates and slabs | Yes  No |
| **AS/NZS 3678:2016** Structural steel - Hot-rolled plates, floorplates and slabs, incorporating Amendment 1 | Yes  No |
| **AS/NZS 3679.1:1996** Structural steel – Part 1: Hot-rolled bars and sections | Yes  No |
| **AS/NZS 3679.1:2016** Structural steel – Part 1: Hot-rolled bars and sections | Yes  No |
| **AS/NZS 3679.2:1996** Structural steel – Part 2: Welded I sections | Yes  No |
| **AS/NZS 3679.2:2016** Structural steel – Part 2: Welded I sections | Yes  No |
| **BS EN 14399-3:2015** High-strength structural bolting assemblies for preloading – Part 3: System HR. Hexagon bolt and nut assemblies | Yes  No |
| **BS EN 14399-5:2015** High-strength structural bolting assemblies for preloading – Part 5: Plain washers | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 2.5 Timber (including wall bracing elements)** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references for in the Building Product Specifications?

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| **NZS 3602:2003** Timber and wood-based products for use in building, Part 1 (modified) | Yes  No |
| **NZS 3640:2003** Chemical preservation of round and sawn timber Amendments 1,2,3,4,5 | Yes  No |
| **AS/NZS 1604.3:2002** Specification for preservative treatment – Part 3: Plywood | Yes  No |
| **AS/NZS 1604.4:2002** Specification for preservative treatment – Part 4: Laminated veneer lumber (LVL) | Yes  No |
| **AS/NZS 1604.5:2002** Specification for preservative treatment – Part 5: Glued laminated timber products | Yes  No |
| **ISO 21887:2007(E)** Durability of wood and wood-based products – Use Classes | Yes  No |
| **AS/NZS 1604.1:2021** Preservative-treated wood-based products – Part 1: Products and treatment | Yes  No |
| **AWPA U1-24** American Wood Protection Association, Use Category System: User Specification for Treated Wood | Yes  No |
| **BS EN 335:2013** Durability of wood and wood-based products - Use classes: definitions, application to solid wood and wood-based products | Yes  No |
| **NZS 3605:2001** Timber piles and poles for use in building | Yes  No |
| **AS 3818.3:2010** Timber – Heavy Structural Products – Visually graded – Part 3: Piles | Yes  No |
| **AS 3818.10:2010** Timber – Heavy Structural Products – Visually graded – Part 10: Building Poles | Yes  No |
| **BRANZ Technical Paper P21** (2010) BRANZ, A wall bracing test and evaluation procedure | Yes  No |
| **BRANZ Study Report SR 305** (2013) BRANZ, Bracing ratings for non-proprietary bracing walls | Yes  No |

1. Do you agree with the specification and standards cited for **gypsum plasterboard used as wall bracing** at section 2.5.4.3?

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| The specification to determine the bracing rating set out in **subsections 2.5.4.3 a) to e) of the draft Building Product Specifications** | Yes  No |
| **AS/NZS 2588:2018** Gypsum plasterboard (requirements for standard grade) | Yes  No |
| **ASTM C1936/C1396M-24** Standard Specification for Gypsum Board (requirements for gypsum wallboard) | Yes  No |
| **BS EN 520:2004+A1:2009** Gypsum plasterboards. Definitions, requirements and test methods (requirements for gypsum plasterboard Type A) | Yes  No |

1. If you **do not** agree with the citation of any of the above references or the specification for gypsum plasterboard used as wall bracing, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 2.6 Siteworks** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications (section 2.6.1 Engineered fill)?

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| **DIN 18134:2012-04** German Institute for Standardization, Soil - Testing procedures and testing equipment – Plate load test | Yes  No |
| **ASTM D5874-24** Standard Test Methods for Determination of the Impact Value (IV) of a Soil | Yes  No |
| **PD CEN/TS 17006:2016** European Committee for Standardization, Earthworks. Continuous Compaction Control (CCC) | Yes  No |
| **AASHTO T 224:2010** American Association of State Highway and Transportation Officials, Standard Method of Test for Correction for Coarse Particles in the Soil Compaction Test | Yes  No |
| **AS 1289.5.4.3:2006** Methods of testing soils for engineering purposes – Method 5.4.3: Soil compaction and density tests – Compaction control test – Dry density ratio and moisture ratio using statistical selection of reference values (R2016) | Yes  No |
| **ASTM D4718/D4718M-15 (2023)** Standard Practice for Correction of Unit Weight and Water Content for Soil Containing Oversize Particles | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other product standards that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 3.2 Wall cladding** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

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| **AS/NZS 2908.2:2000** Cellulose-cement products – Flat sheets | Yes  No |
| **ISO 8336:2017** Fibre-cement flat sheets — Product specification and test methods | Yes  No |
| **BS EN 12467:2012+A2:2018** Fibre-cement flat sheets. Product specification and test methods | Yes  No |
| **ISO 17738-1:2021(E)** Thermal insulation products — Exterior insulation finish systems Part 1: Materials | Yes  No |
| **ASTM E2098M-25** Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for Use in Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage Systems, after Exposure to a Sodium Hydroxide Solution | Yes  No |
| **ASTM E2098M-13** Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for Use in Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution | Yes  No |
| **ASTM E2098-00** Standard Test Method for Determining Tensile Breaking Strength of Glass Fibre Reinforcing Mesh for Use in Class PB Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution | Yes  No |
| **ASTM E2134-01** Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS) | Yes  No |
| **ASTM E2134M-14** Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS) | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 3.4 Windows, external doors and glazing** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
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| **NZS 4211:2008** Specification for the performance of windows Amendment 1 | Yes  No |
| **SNZ TS 4211:2022** Specification for the classification of windows | Yes  No |
| **Sections 1, 2.1.1, 2.3, 2.4, 2.5, 2.6, and 8 of** **AS 2047:2014** Windows and external glazed doors in buildings Amendments 1 and 2 | Yes  No |
| **NZS 4223.1:2008** Glazing in buildings – Part 1: Glass selection and glazing Amendment 1 | Yes  No |
| **AS 1288:2021** Glass in buildings – Selection and installation | Yes  No |
| **NZS 4223.2:2016** Glazing in buildings – Part 2: Insulating glass units | Yes  No |
| **AS/NZS 4666:2012** Insulating glass units | Yes  No |
| **NZS 4223.3:2016** Glazing in buildings – Part 3: Human impact safety requirements (modified) | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 3.5 Insulation** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **AS/NZS 4859.1:2018** Thermal insulation materials for buildings – Part 1: General criteria and technical provisions, incorporating Amendment 1 | Yes  No |
| **ASTM C687-24** Standard Practice for Determination of Thermal Resistance of Loose-fill Building Insulation | Yes  No |
| **ASTM C1667-15** Standard Test Method for Using Heat Flow Meter Apparatus to Measure the Center-of-Panel Thermal Transmission Properties of Vacuum Insulation Panels (R2023) | Yes  No |
| **ASTM C177-19e1** Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus | Yes  No |
| **ASTM C518-21** Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus | Yes  No |
| **ASTM C1363-24** Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus | Yes  No |
| **ISO 8301:1991** Thermal insulation – Determination of steady-state thermal resistance and related properties – Heat flow meter apparatus | Yes  No |
| **ISO 8302:1991** Thermal insulation – Determination of steady-state thermal resistance and related properties – Guarded hot plate apparatus | Yes  No |
| **ISO 8990:1994** Thermal insulation – Determination of steady-state thermal transmission properties – Calibrated and guarded hot box | Yes  No |
| **BS EN 12667:2001** Thermal performance of building materials and products. Determination of thermal resistance by means of guarded hot plate and heat flow meter methods. Products of high and medium thermal resistance | Yes  No |
| **BS EN 12939:2001** Thermal performance of building materials and products. Determination of thermal resistance by means of guarded hot plate and heat flow meter methods. Thick products of high and medium thermal resistance | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
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**Section 6.2 Heating, ventilation and air conditioning (HVAC) systems** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **European Union Commission Regulation No 622/2012** | Yes  No |
| **BS EN 16297-1:2012** Pumps. Rotodynamic pumps. Glandless circulators. – Part 1 General requirements and procedures for testing and calculation of energy efficiency index (EEI) | Yes  No |
| **BS EN 16297-2:2012** Pumps. Rotodynamic pumps. Glandless circulators. – Part 2 Calculation of energy efficiency index (EEI) for standalone circulators | Yes  No |
| **BS EN 16297-3:2012** Pumps. Rotodynamic pumps. Glandless circulators. – Part 3 Energy efficiency index (EEI) for circulators integrated in products | Yes  No |
| **AS/NZS 3666.1:2011** Air-handling and water systems of buildings - Microbial control – Part 1: Design, installation and commissioning | Yes  No |
| **AS/NZS 3666.2:2011** Air-handling and water systems of buildings - Microbial control – Part 2: Operation and maintenance | Yes  No |
| **BS EN 13053:2019** Ventilation for buildings. Air handling units. Rating and performance for units, components and sections | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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**Section 7.1 Properties of materials (fire)** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **NZS/AS 1530.1:1994** Methods for fire tests on building materials and structures – Part 1: Combustibility test for materials | Yes  No |
| **AS 1530.1:1994** Methods for fire tests on building materials, components and structures – Part 1: Combustibility test for materials (R2016) | Yes  No |
| **BS EN 13501-1:2018** Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests | Yes  No |
| **ISO 1182:2020** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **BS EN ISO 1182:2020** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **ISO 1182:2010** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **ISO 9239-1:2010** Reaction to fire tests for flooring – Part 1: Determination of the burning behaviour using a radiant heat source | Yes  No |
| **AS 1530.2:1993** Methods for fire tests on building materials and structures – Part 2: Test for flammability of materials (R2016) | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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**Section 7.2 Fire resistance** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
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| **AS 1530.4:2014** Methods for fire tests on building materials, components and structures – Part 4: Fire-resistance tests of elements of construction | Yes  No |
| **AS 1530.4:2005** Methods for fire tests on building materials, components and structures – Part 4: Fire-resistance tests of elements of construction | Yes  No |
| **NZS/BS 476.21:1987** Fire tests on building materials and structures – Part 21: Methods for determination of the fire resistance of loadbearing elements of construction | Yes  No |
| **NZS/BS 476.22:1987** Fire tests on building materials and structures – Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction | Yes  No |
| **AS 4072.1:2005** Components for the protection of openings in fire- resistant separating elements – Part 1: Service penetrations and control joints Amendment 1 (R2016) | Yes  No |
| **BS EN 12101-1:2005+A1:2006** Smoke and heat control systems – Part 1: Specification for smoke barriers | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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**Section 7.3 Closures including fire doors, smoke control doors, glazing, and dampers**

(please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **NZS 4520:2010** Fire-resistant doorsets | Yes  No |
| **NZS 4232.2:1988** Performance criteria for fire resisting enclosures – Part 2: Fire resisting glazing systems | Yes  No |
| **AS 1682.1:2015** Fire, smoke and air dampers – Part 1: Specification | Yes  No |
| **AS 1682.2:2015** Fire, smoke and air dampers – Part 2: Installation | Yes  No |
| **AS 1682.1:1990** Fire dampers – Part 1: Specification | Yes  No |
| **AS 1682.2:1990** Fire dampers – Part 2: Installation | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 7.4 Fire properties of external wall cladding** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **ISO 5660-1:2015** Reaction to fire tests – Heat release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) | Yes  No |
| **ISO 5660-2:2002** Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 2: Smoke production rate (dynamic measurement) | Yes  No |
| **AS/NZS 3837:1998** Method of test for heat and smoke release rates for materials and properties using an oxygen consumption calorimeter, Amendment 1 (R2016) | Yes  No |
| **ASTM D2898:2010** Standard practice for accelerated weathering of fire retardant-treated wood (R2017) | Yes  No |
| **AS 5113:2016** Classification of external walls of buildings based on reaction-to-fire performance Amendment 1 | Yes  No |
| **BS 8414-1:2015+A1:2017** Fire performance of external cladding systems – Part 1: Test method for non-loadbearing external cladding systems applied to the masonry face of a building | Yes  No |
| **BS 8414-2:2015+A1:2017** Fire performance of external cladding systems – Part 2: Test method for non-loadbearing external cladding systems fixed to and supported by a structural steel frame | Yes  No |
| **NFPA 285:2019** National Fire Protection Association, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components | Yes  No |
| **BR 135 (2013)** BRE, Fire performance of external thermal insulation for walls of multistorey buildings: Third edition | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Section 7.5 Fire spread on linings, coverings, and other materials** (please go to the next section if you do not have feedback on this)

1. Do you support the citation of the following references in the Building Product Specifications?

|  |  |
| --- | --- |
| **BS EN 13501-1:2018** Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests | Yes  No |
| **AS 5637.1:2015** Determination of fire hazard properties – Part 1: Wall and ceiling linings | Yes  No |
| **ISO 9705-1:2016** Reaction to fire tests – Room corner test for wall and ceiling lining products Part 1: Test method for a small room configuration (R2021) | Yes  No |
| **ISO 9705:1993** Fire tests – full scale room test for surface products | Yes  No |
| **AS ISO 9705:2003** Firetests – Full scale room test for surface products (R2016) | Yes  No |
| **ISO 13784-1:2014** Reaction to fire test for sandwich panel building systems – Part 1: Small room test (R2019) | Yes  No |
| **ISO 13784-1:2002** Reaction-to-fire tests for sandwich panel building systems – Part 1: Test method for small rooms | Yes  No |
| **ISO 5660-1:2015** Reaction to fire tests – Heat release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) | Yes  No |
| **ISO 5660-1:2002** Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 1: Heat release rate (cone calorimeter method) | Yes  No |
| **ISO 5660-2:2002** Reaction-to-fire tests – Heat release, smoke production and mass loss rate – Part 2: Smoke production rate (dynamic measurement) | Yes  No |
| **NZS/AS 1530.1:1994** Methods for fire tests on building materials and structures – Part 1: Combustibility test for materials | Yes  No |
| **AS 1530.1:1994** Methods for fire tests on building materials, components and structures – Part 1: Combustibility test for materials (R2016) | Yes  No |
| **ISO 1182:2020** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **BS EN ISO 1182:2020** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **ISO 1182:2010** Reaction to fire tests for products – Non-combustibility test | Yes  No |
| **AS 4254.1:2012** Ductwork for air-handling systems in buildings – Part 1: Flexible duct | Yes  No |
| **AS 4254.2:2012** Ductwork for air-handling systems in buildings – Part 2: Rigid duct | Yes  No |
| **AS 1366.1:1992** Rigid cellular plastics sheets for thermal insulation – Part 1: Rigid cellular polyurethane (RC/PUR) Amendment 1 (R2018) | Yes  No |
| **AS 1366.2:1992** Rigid cellular plastics sheets for thermal insulation – Part 2: Rigid cellular polyisocyanurate (RC/PIR) (R2018) | Yes  No |
| **AS 1366.3:1992** Rigid cellular plastics sheets for thermal insulation – Part 3: Rigid cellular polystyrene – moulded (RC/PS-M) Amendment 1 (R2018) | Yes  No |
| **AS 1366.4:1989** Rigid cellular plastics sheets for thermal insulation – Part 4: Rigid cellular polystyrene – extruded (RC/PS-E) (R2018) | Yes  No |

1. If you **do not** agree with the citation of any of the above references, please explain the reason for your choice:

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|  |

1. Are there other standards or reference documents that should be cited in this section of the Building Product Specifications? If so, please tell us what they are and why you think they should be incorporated:

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| --- | --- |
| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |

**Lastly, do you have any other suggestions for future Building Product Specifications?**

1. If you would like to suggest any other standards or reference documents that should be cited in future versions of the Building Product Specifications for product types not covered above, please tell us what they are and why you think they should be incorporated:

|  |  |
| --- | --- |
| **Standard/reference document(s):** |  |
| **Why should these be incorporated:**  Please include detail on what product(s), acceptable solutions and verification methods these relate to, and how they are equivalent to or better than current standards. |  |