# 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 1993 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 1993 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)?

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| **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?

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| **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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| **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):** |  |
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**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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| **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):** |  |
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**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?

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| **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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**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?

|  |  |
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| **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?

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| **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?

|  |  |
| --- | --- |
| **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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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 7.3 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?

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| **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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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 7.4 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?

|  |  |
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| **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?

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| **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:

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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. |  |