

GG193-14

505.1

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Revise text as follows:

505.1 Material selection and properties. Building materials shall conform to Section 505.2. Combustible building materials in Type I and Type II Construction shall conform to Section 603 of the International *Building Code*®.

Exceptions:

1. Electrical, mechanical, plumbing, security and fire detection, and alarm equipment and controls, automatic fire sprinkler systems, elevators and conveying systems shall not be required to comply with Section 505.2.
2. Where a whole building life cycle assessment is performed in accordance with Section 303.1, compliance with Section 505.2 shall not be required.

Reason: It is essential to ensure that the combustible building materials that are permitted to be used in IgCC buildings do not conflict with the essential fire safety requirements for combustible materials that are built into the structure of the IBC, as shown in section 603 of the IBC.

Section 603 of the IBC (Combustible Materials in Type I and II Construction) contains details of the allowable materials permitted in those applications. These allowable combustible materials are fire-retardant-treated wood, thermal and acoustical insulation, foam plastics, roof coverings with an A, B or C classification, *interior floor finish* and floor covering materials, millwork such as doors, door frames, window sashes and frames, *interior wall and ceiling finishes*, *interior trim*, show windows, nailing or furring strips and wooden bulkheads below show windows, finish flooring, partitions dividing portions of stores, offices or similar places, stages and platforms, combustible *exterior wall coverings*, balconies and similar projections, blocking such as for handrails, millwork, cabinets and window and door frames, light-transmitting plastics, mastics and caulking materials applied to provide flexible seals, exterior plastic veneer, nailing or furring strips, heavy timber, aggregates, component materials and admixtures, sprayed fire-resistant materials and intumescent and mastic fire-resistant coatings, materials used to protect penetrations in fire resistance-rated assemblies, materials used to protect joints in fire-resistance-rated assemblies, materials allowed in the concealed spaces of buildings of Types I and II construction, and materials exposed within plenums complying with Section 602 of the *International Mechanical Code*.

Cost Impact: Will not increase the cost of construction.

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