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- MRc1.2 | Building reuse - maintain 95% of existing walls, floors and roof
- MRc1.2 | Building reuse - maintain 50% of existing walls, floors and roof
- MRc1.2 | Building reuse - maintain 100% of existing walls, floors and roof
- MRc1.2 | Building reuse - maintain 100% of existing walls, floors and roof
- MRc1.2 | Construction, demolition and renovation waste management
- MRc1.2 | Sustainable purchasing - ongoing consumables
- MRc1.2 | Building reuse - maintain 95% of existing walls, floors & roof
- MRc1.2 | Building reuse, maintain 40% of interior non-structural components
- MRc1.2 | Building reuse - maintain interior nonstructural elements
- MRc1.3 | Building reuse - maintain 50% of interior non-structural elements
- MRc1.3 | Sustainable purchasing - ongoing consumables
- MRc1.3 | Building reuse - maintain 60% of interior non-structural components
- MRc1.3 | Building reuse - maintain 50% of interior non-structural elements
- MRc1.3 | Building reuse - maintain 75% of existing walls, floors and roof
- MRc1.3 | Building reuse - maintain 100% of shell/structure and 50% of non-shell/non-structure
- MRc1.3 | Building reuse - maintain 100% of shell/structure and 50% of non-shell/non-structure
- MRc1.3 | Building reuse: maintain 50% of interior nonstructural elements
- MRc1.3 | Building Reuse, Maintain 60% of Interior Non-Structural Components
- MRc2 | Construction waste management
- MRc2 | Environmentally preferable products
- MRc2 | Construction waste management - divert from disposal
- MRc2 | Environmentally preferable products
- MRc2 | Environmentally preferable products
- MRc2 | Construction waste management
- MRc2.1 | Sustainable purchasing - electric-powered equipment
- MRc2.1 | Construction waste management - divert 50% from disposal
- MRc2.1 | Construction waste management - divert 50% from landfill
- MRc2.1 | Optimize use of alternative materials
- MRc2.1 | Construction waste management - divert 50% from disposal
- MRc2.1 | Construction waste management - divert 50% from landfill
- MRc2.1 | Sustainable purchasing - durable goods
- MRc2.1 | Construction waste management: divert 50% from disposal
- MRc2.1-2.2 | Construction waste management
- MRc2.2 | Construction waste management - divert 75% from disposal
- MRc2.2 | Sustainable purchasing - durable goods
- MRc2.2 | Construction waste management - divert 75% from landfill
- MRc2.2 | Construction waste management - divert 75% from disposal
- MRc2.2 | Construction waste management - divert 75% from landfill
- MRc2.2 | Sustainable purchasing - furniture
- MRc2.2 | Optimize use of alternative materials
- MRc2.2 | Construction waste management: divert 75% from disposal
- MRc2.2 | Construction waste management, divert 75% from landfill
- MRc2.3 | Optimize use of alternative materials
- MRc2.4 | Optimize use of alternative materials
- MRc2.5 | Optimize use of alternative materials
- MRc3 | Materials reuse
- MRc3 | Materials reuse
- MRc3 | Materials reuse
- MRc3 | Sustainable purchasing - facility alterations and additions
- MRc3 | Sustainably sourced materials and products
- MRc3 | Waste management
- MRc3 | Sustainable purchasing - facility alterations and additions
- MRc3 | Materials reuse
- MRc3 | Materials reuse - 1%
- MRc3 | Construction waste management
- MRc3 | Construction waste management
- MRc3 | Materials reuse
- MRc3 | Materials reuse
- MRc3.1 | Materials reuse
- MRc3.1 | Materials reuse - 5%
- MRc3.1 | Resource reuse - 5%
- MRc3.1 | Optimize use of IAQ compliant products
- MRc3.1 | Resource reuse - 5%
- MRc3.1 | Materials reuse
- MRc3.1 | Materials reuse: 5 %
- MRc3.1 | Resource reuse, 5%
- MRc3.1-3.2 | Resource reuse
- MRc3.2 | Materials reuse - furniture and furnishings
- MRc3.2 | Materials reuse - 10%
- MRc3.2 | Resource reuse - 10%
- MRc3.2 | Resource reuse - 10%
- MRc3.2 | Optimize use of IAQ compliant products
- MRc3.2 | Materials reuse: 10%
- MRc3.2 | Resource reuse, 10%
- MRc3.3 | Resource reuse - 30% furniture and furnishings
- MRc3.3 | Resource Reuse, 30% Furniture and Furnishings
- MRc4 | Recycled content
- MRc4 | Recycled content
- MRc4 | Recycled content
- MRc4 | Recycled content
- MRc4 | Sustainable purchasing - reduced mercury in lamps
- MRc4 | Recycled content (post-consumer + 1/2 pre-consumer)
- MRc4 | Material-efficient framing
- MRc4 | Recycled content
- MRc4 | Recycled content
- MRc4.1 | PBT source reduction - mercury in lamps
- MRc4.1 | Recycled content - 10% (post-consumer + 1/2 pre-consumer)
- MRc4.1 | Sustainable purchasing - reduced mercury in lamps
- MRc4.1 | Recycled content - 10% (post-consumer + 1/2 pre-consumer)
- MRc4.1 | Sustainable cleaning products and materials
- MRc4.1 | Recycled content - 10% (post-consumer + 1/2 pre-consumer)
- MRc4.1 | Recycled content - 5% (post-consumer + 1/2 pre-consumer)
- MRc4.1 | Recycled content: 10% (post-consumer + 1/2 pre-consumer)
- MRc4.1 | Recycled content, 10% (post-consumer + 1/2 pre-consumer)

- MRc4.1-4.2 | Recycled content
- MRc4.2 | PBT source reduction - lead, cadmium and copper
- MRc4.2 | Recycled content - 20% (post-consumer + 1/2 pre-consumer)
- MRc4.2 | Recycled content - 20% (post-consumer + 1/2 pre-consumer)
- MRc4.2 | Recycled content - 20% (post-consumer + 1/2 pre-consumer)
- MRc4.2 | Recycled content - 10% (post-consumer + 1/2 pre-consumer)
- MRc4.2 | Sustainable cleaning products and materials
- MRc4.2 | Sustainable purchasing - reduced mercury in lamps
- MRc4.2 | Recycled content: 20% (post-consumer + 1/2 pre-consumer)
- MRc4.2 | Recycled content, 20% (post-consumer + 1/2 pre-consumer)
- MRc4.3 | Sustainable cleaning products and materials
- MRc5 | Regional materials
- MRc5 | Regional materials
- MRc5 | Regional materials
- MRc5 | Regional materials
- MRc5 | Sustainable purchasing - food
- MRc5 | Furniture and medical furnishings
- MRc5 | Sustainable purchasing - food
- MRc5 | Regional materials - extracted, processed and manufactured regionally
- MRc5 | Regional materials
- MRc5 | Regional materials
- MRc5.1 | Regional materials - 10% extracted, processed and manufactured regionally
- MRc5.1 | Regional materials - 20% manufactured regionally
- MRc5.1 | Occupant recycling
- MRc5.1 | Regional materials - 10% extracted, processed and manufactured regionally
- MRc5.1 | Regional materials - 20% manufactured regionally
- MRc5.1 | Local/regional materials - 20% manufactured regionally
- MRc5.1 | Regional materials: 10% extracted, processed & manufactured regionally
- MRc5.1 | Regional materials, 20% manufactured regionally
- MRc5.2 | Regional materials - 20% extracted, processed and manufactured regionally
- MRc5.2 | Regional materials - 10% extracted and manufactured regionally
- MRc5.2 | Regional materials - 20% extracted, processed and manufactured regionally
- MRc5.2 | Regional materials - 50% extracted regionally
- MRc5.2 | Local/regional materials - 50% extracted regionally
- MRc5.2 | Occupant recycling
- MRc5.2 | Regional materials: 20% extracted, processed & manufactured regionally
- MRc5.2 | Regional materials, 10% extracted and manufactured regionally
- MRc5.3 | Occupant recycling
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Solid waste management - waste stream audit
- MRc6 | Certified wood
- MRc6 | Resource use - design for flexibility
- MRc6 | Rapidly renewable materials
- MRc6 | Solid waste management - waste stream audit
- MRc6 | Rapidly renewable materials
- MRc6 | Additional toxic material reduction - reduced mercury in light bulbs
- MRc6 | Rapidly renewable materials
- MRc6 | Certified wood
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Rapidly renewable materials
- MRc6 | Certified wood
- MRc6 | Rapidly renewable materials
- MRc7 | Solid waste management - ongoing consumables
- MRc7 | Certified wood
- MRc7 | Certified wood
- MRc7 | Certified wood
- MRc7 | Certified wood
- MRc7 | Certified wood
- MRc7 | Certified wood
- MRc7 | Certified wood
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- MRc7 | Certified Wood
- MRc7 | Certified wood
- MRc7.1 | Solid waste management - ongoing consumables
- MRc7.2 | Solid waste management - ongoing consumables
- MRc8 | Solid waste management - durable goods
- MRc8 | Solid waste management - durable goods
- MRc9 | Solid waste management - facility alterations and additions
- MRc9 | Solid waste management - facility alterations and additions
- MRcX | PBT source reduction - mercury in lamps
- MRp1 | Sustainable purchasing policy
- MRp1 | Sustainable purchasing policy
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Sustainable purchasing policy
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Certified tropical wood
- MRp1 | Storage & collection of recyclables
- MRp1 | Storage and collection of recyclables
- MRp1 | Storage and collection of recyclables

- MRp1.1 | Source reduction and waste management - waste management policy and waste stream audit
- MRp1.2 | Source reduction and waste management - storage and collection of recyclables
- MRp2 | Construction, demolition and waste management planning
- MRp2 | Solid waste management policy
- MRp2 | PBT source reduction - mercury
- MRp2 | Solid waste management policy
- MRp2 | Toxic material source reduction - reduced mercury in light bulbs
- MRp2 | Durability management
- MRp2.1 | Solid waste management policy
- MRp2.2 | Storage and collection of recycables
- MRp2.3 | Facility alterations and additions policy

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| v4 - LEED v4

PBT source reduction - lead, cadmium and copper

Possible 2 points

1 result in**All** .

- Glossary

Intent

To reduce the release of Persistent Bioaccumulative and Toxic (PBTs) chemicals associated with the life cycle of building materials.

Requirements

Specify substitutes for materials manufactured with lead and cadmium, as follows.

Lead

- For water intended for human consumption, specify and use solder and flux to connect plumbing pipe on site that meets the California AB1953 standard, which specifies that solder not contain more than 0.2% lead, and flux not more than a weighted average of 0.25% lead for wetted surfaces. The “lead free” label as defined by the Safe Drinking Water Act (SDWA) does not provide adequate screening for the purposes of this credit because the SDWA defines “lead free” as solders and flux containing 0.2% lead or less.
- For water intended for human consumption, specify and use pipes, pipe fittings, plumbing fittings, and faucets that meet the California law AB1953 of a weighted average lead content of the wetted surface area of not more than 0.25% lead.
- Specify and use lead-free roofing and flashing.
- Specify and use electrical wire and cable with lead content less than 300 parts per million.
- Specify no use of interior or exterior paints containing lead.
- For renovation projects, ensure the removal and appropriate disposal of disconnected wires with lead stabilizers, consistent with the 2002 National Electric Code requirements.

Lead used for radiation shielding and copper used for MRI shielding are exempt.

Cadmium

- Specify no use of interior or exterior paints containing intentionally added cadmium.

Copper

- For copper pipe applications, reduce or eliminate joint-related sources of copper corrosion:
  - use mechanically crimped copper joint systems; or
  - specify that all solder joints comply with ASTM B828 2002, and specify and use ASTM B813 2010 for flux.

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