

Energy Efficiency Regulations for Doors in British Columbia

The Ministry of Energy, Mines and Petroleum Resources has enacted new standards for windows, doors and skylights under the provincial Energy Efficiency Standards Regulation (EESR). EESR standards apply to all products manufactured, sold, leased or otherwise disposed of in British Columbia.

The EESR standards for doors and door slabs are currently in effect and apply as follows:

1. **Glazing for Installation** in manufactured door slabs, sidelites and transom lites. The prescriptive standards are as follows:

- Multiple glazed
- Low-E coating between glazing
- Minimum 90% argon gas fill with a compatible edge sealant system
- Warm edge spacer bar

Exemptions

- ENERGY STAR (Canada) qualified doors
- Pre-hung door assemblies tested and certified by NFRC
- Decorative glazing that has stained glass panels, iron inserts or blinds inside a sealed insulating glass unit
- Products installed in buildings designated as heritage by the provincial government or local government
- Products not separating heated spaces from non-heated spaces, (example, non-heated garage entrance door)

2. **Door Slabs with Insulating Foam**

Test Standard ASTM C-518-04 Standard Test Method for Steady-State Thermal Transmission Properties by Means of Heat Flow. Door panels must be insulated with products rated to a thermal resistance (RSI) or equal to or greater than 0.875 (m² x K)/W.

Exemptions

- ENERGY STAR (Canada) qualified pre-hung doors.
- Solid wood door slabs
- Pre-hung door assemblies tested and certified by NFRC
- Products installed in buildings designated as heritage by the provincial government or local government
- Products not separating heated spaces from non-heated spaces, (example, non-heated garage entrance door)

Testing and/or Simulations Labs

Quality Auditing Institute, Port Moody, BC www.qai.org

Intertek Testing Services, Coquitlam, BC www.intertek-etlsemko.com

CanBest, Brampton/ Metro Vancouver www.can-best.com

West Lab, Jeff Baker jeff@westlab.net

SCB Services, garybrown@dccnet.com

NFRC (National Fenestration Rating Council) has many accredited labs- www.nfrc.org

Certification Agencies

Quality Auditing Institute, Port Moody, BC www.qai.org

Intertek Testing Services, Coquitlam, BC www.intertek-etlsemko.com

CSA International, Toronto, ON www.csa-international.org

NFRC has four accredited Inspection Agencies- www.nfrc.org

Permanent Labelling

Glazing and door slabs must have permanent labelling. Glazing could have transparent adhesive labels or etching into the glass itself. Door slabs must have permanent labels on the slab itself or the door edge so it is visible when the door is open.

Compliance with the EESR

The regulation has been in effect June 2009. All companies who manufacture, sell, lease or distribute doors or door slabs, or any other product covered by the EESR, are responsible for ensuring compliance with EESR efficiency standards and labelling requirements. The Ministry has the right to inspect products and audit companies as needed to ensure compliance.

If you are a door prehanger or component manufacturer, and require additional information about this regulation, please contact either:

Erik Kaye Energy Efficiency Branch, Ministry of Energy, Mines and Petroleum Resources

Erik.Kaye@gov.bc.ca 250-356-1507 or

David Bruce, Energy Efficiency Compliance Enhancement Coordinator for the Ministry of Energy, Mines and Petroleum Resources David.Bruce@gov.bc.ca 604-619-9946