

INDEPENDENT BUILDING ENVELOPE TESTING SERVICES

Metro Testing Laboratories Ltd. has added the following **Independent Building Envelope Testing Services** to our capabilities:



- On site or laboratory testing of windows, doors and curtain wall systems for **water penetration, air leakage and seismic loading**.
- Structural testing of sample wall assemblies.
- Proof load testing of railings, floors, wall systems, anchors and ties etc.
- Roofing and waterproofing inspections including flood testing for **leak investigations**.
- Adhesion, Thickness and Slip Resistance testing of **membranes and coatings**.
- Specialty construction materials and construction systems development including **colour matching** of stucco and mortar materials.
- **Parkade investigations** including **post tensioning** system inspections.
- Evaluation of **heritage buildings**.
- **Construction trouble shooting** and **referee testing** and inspection.
- Complete quality management services including preparation of Quality Manuals, Quality Control or Quality Assurance testing services.





IN-PLACE SPRAYED FIREPROOFING MATERIAL INSPECTION AND TESTING

Services and Scope of Work - The scope of Metro's work will include the following items:

- Review of project specifications and technical data sheets for familiarity purpose.
- Site visits by a Professional Engineer or a Senior Technologist.
- Visual inspection of the sprayed areas and re-inspection, as required.
- In-place thickness and density determination (ASTM E605).
- Field Review Reports and Letter of Assurance, as required.

The number of trips to site will depend on the Contractor's schedule and the quality of work. Also the number of tests will depend on the total area sprayed and available for inspection during each trip. Based on ASTM E605, one series of thickness measurements is required for each type of structural element for each floor or for every 10,000 square feet area.

Metro can carry out all inspection and testing work on an 'as required' basis:

Sprayed Fireproofing Visual Inspection and Thickness Testing
Density Determination (Field + Lab)
Bond Test
Review of Field Review Reports, Letter of Assurance, Consulting



METRO TESTING LABORATORIES LTD.
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Materials & Geotechnical Engineering . Inspection & Testing . Quality Management . Mobile Laboratory Facilities

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-Servicing British Columbia's Construction Industry Since 1987-

FIRE PROOFING

