



4.4.2. Component (Product/Panel) Approval

- 4.4.2.1.** Approval of “product” or “panel” or component is manufacturer’s responsibility. Manufacturer or supplier shall test the individual product or component as part of the assembly (**TEST 1**, as per **Tables 1.14., 1.15., 1.16., 1.17.**, as applicable) to evaluate flame spread characteristics, droplets and smoke emission of the core, the skin, adhesive, panel and the product, and obtain approval and product registration from Civil Defence. The Civil Defence certificate shall only be for the product and permission to be installed “only on low rise buildings”.

4.4.3. Wall System or Wall Assembly Approval

- 4.4.3.1.** Approval of façade wall “system” intended to be used as “assembly” on façade of a building shall be the responsibility of the consultant and façade contractor. The consultant shall ensure that the façade contractors or fabricators test the façade system as per Civil Defence regulation and configurations. (**TEST 2**, as per **Tables 1.14., 1.15., 1.16., 1.17.** as applicable).
- 4.4.3.2.** Where manufacturer or supplier undertakes both tests, **TEST 1**, as per **Section 4.4.2.1.** as well as **TEST 2**, as per **Section 4.4.3.1.**, and produces the “system” test certificates, the Civil Defence registration and certificate shall be for the product including full system and permission to be installed on exterior façade of any building, provided that the façade fabricator undertakes that project façade arrangement matches the tested and certified wall assembly arrangement.
- 4.4.3.3.** The system manufacturer or supplier and the fabricators shall provide a formal submittal to the Municipality and Civil Defence material approval department for the product registration, that shall consist of the following.
- a.** Product Data – Manufacturer's Specifications, Technical Data and Material Safety Data Sheet for each material including the composition and limitations, if any.
 - b.** Design Listings and certifications – Core test certifications, Product test certifications, Assembly test certifications, System design listing or test certifications, including illustrations, from an accredited testing laboratory as per referenced standards that is applicable to each system configuration. Test reports without certification from accredited laboratories is invalid.
 - c.** Method Statement shall clearly define component list and the manufacturer’s installation instructions.
 - d.** Statement of Manufacturer’s standard warranty for minimum of 10 years.
 - e.** An undertaking letter in understanding with Civil Defence, that supplying any material or system that is non compliant to this code is illegal and punishable.
- 4.4.3.4.** Where the building envelope is uniquely shaped and designed, or there is no clear distinction between vertical façade and horizontal roofing, or where a single envelope is installed as roofing as well as façade envelope, such materials and system assembly shall be tested for both façade as well as roofing requirements in accordance with **Section 4, Section 5 and Section 6 of this chapter.**