

**Summary of Substantive Changes
between the 2004 Edition of
CSA B45.11 “Glass lavatories”,
the 2005 Edition of
IGC 172, “Glass Lavatories and Sinks”,
and the 2011 Edition of
CSA B45.11/IAPMO Z401, “Glass plumbing fixtures”**

General: This is the first edition of the standard resulting from the harmonization of IAPMO IGC 172 and CSA B45.11. There might be an impact on current listings due to changes that include the addition of a warpage test and changing of the structural integrity test from IGC 172-2005. Packaging requirements were also added to the standard. The water absorption test, stain resistance, chemical resistance, knife drop, skillet drop, and hot wax tests were removed.

Section 5.2, Warpage test: This test was added.

Section 5.4, Subsurface test: This test was added.

Section 5.5, Structural integrity test: Changes to this test from IGC 172-2005 included division of lavatories and sinks into two categories (span < 762 mm and span > 762 mm), specific requirements for the test set-up and a sequence for loading the specimen were added, and the test load for spans > 762 mm was increased from 450 kN to 890 kN (100 to 200 lb). The performance requirement of deflection less than 0.25 mm for lavatory tops was removed.

Section 5.6, Point impact load test: This test was added.

Section 5.7, Thermal shock resistance test: This test was added.

Section 5.8, Lavatories and sinks with integral countertops: A Load test for lavatories with integral tops was added.

Section 5.9, Kitchen sinks: The heated pan test was added and the knife drop test, skillet drop test and hot wax test were removed.

Section 6.2, Packaging: The following statement was added:

*Packaging for plastic plumbing fixtures shall be marked with the
(a) manufacturer’s name or registered trademark or, in the case of private labelling, the name of the
Customer for whom the fixture was manufactured; and
(b) model number.*

Table 2, Surface test requirements: Formerly Table 1 in CSA B45.11-04, the number of allowable defects was changed the table was expanded to include additional defect types, and area sizes and area locations were added.

Figure 1, Waste outlet dimensions: Was added

Figures 2, 3, 4, 5, and 6 which show opening and mounting surface dimensions for various fittings were added.