

---

**TEST LOADINGS AND APPLIED FORCES**
**TEST PROCEDURES**


---

2. On successful completion of this test the container may be rated for the allowable superimposed static stacking weight which should be indicated on the Safety Approval Plate against the heading "Allowable stacking weight for 1.8 g (kilogrammes and lbs)".

**Internal loading:**

A uniformly distributed load such that the combined weight of container and test load is equal to 1.8 R.

The container, having the prescribed INTERNAL LOADING, shall be placed on four level pads which are in turn supported on a rigid horizontal surface, one under each bottom corner fitting or equivalent corner structure. The pads shall be centralized under the fittings and shall be of approximately the same plan dimensions as the fittings.

**External applied forces:**

Such as to subject each of the four top corner fittings to a vertical downward force equal to  $1/4 \times 1.8 \times$  the allowable superimposed static stacking weight.

Each EXTERNALLY APPLIED FORCE shall be applied to each of the corner fittings through a corresponding test corner fitting or through a pad of the same plan dimensions. The test corner fittings or pad shall be offset with respect to the top corner fitting of the container by 25 mm (1 in.) laterally and 38 mm (1-1/2 in.) longitudinally.

---

**3. CONCENTRATED LOADS**
**(a) ON ROOF**


---

**Internal loading:**

None.

**Externally applied forces:**

A concentrated load of 300 kg (660 lb) uniformly distributed over an area of 600 mm  $\times$  300 mm (24 in.  $\times$  12 in.).

The EXTERNALLY APPLIED FORCES shall be applied vertically downwards to the outer surface of the weakest area of the roof of the container.

---