

PRODUCT COMPLIANCE

Zurn Cleanouts are constructed of high quality materials, and in general are designed to meet the requirements of ANSI Specification A112.36.2M. For an explanation of materials used, see Page 9.

TOP LOADING – CLASSIFICATION*

Selection of a Zurn floor cleanout should be based on the load factor and the anticipated traffic. Zurn cleanouts are rated as follows (Reference ANSI Standard A112.36.2M):

6.1 Loading Classifications

Covers and top rims are to be designed to meet the following loading classifications.

6.1.1 – Light Duty. All covers having safe live load (as calculated in para. 6.2.5) under 2000 lb. (900 kg).

6.1.2 – Medium Duty. All covers having safe live load (as calculated in para. 6.2.5) between 2000 lb. (900 kg) and 4999 lb. (2250 kg).

6.1.3 – Heavy Duty. All covers having safe live load (as calculated in para. 6.2.5) between 5000 lb. (2250 kg) and 7499 lb. (3375 kg).

6.1.4 – Extra Heavy Duty. All covers having safe live load (as calculated in para. 6.2.5) between 7500 lb. (3375 kg) and 10,000 lb. (4500 kg).

6.1.5 – Special Duty. Covers having safe live load (as calculated in para. 6.2.5) over 10,000 lb. (4500 kg) should be considered special and treated accordingly.

6.2 Test Procedures for Cover Loading

Live Load – Requirements listed in 6.1 through 6.1.5 shall be determined as follows:

6.2.1 – Load Classifications. Load classifications as stated in 6.1 are to be determined by laboratory tests.

6.2.2 – Platen Size. A 3.5 in. (89 mm) diameter platen shall be applied to the center of the cover specimen.

6.2.3 – Loading. Loading is to be applied slowly so that point of failure can be observed.

6.2.4 Point of Failure

(a) Brittle Materials (Cast Iron). The load (in pounds or kilograms) at which the first fracture on any part of the specimen appears.

(b) Ductile Material. The load which the permanent set (at the point of loading) is greater than 2% of the longest transverse dimension of the specimen.

6.2.5 – Cover Classification. The maximum safe live load is computed by dividing the load at failure by two.

*Safe live load rating of covers is for general classification purposes only. For the actual safe live load of any given cover, contact your Zurn representative.

Many of Zurn’s cast iron covers may be furnished in duresist iron when increased working load requirements are necessary. Specify duresist cover (-DG) when required or contact your Zurn representative when special applications are necessary.

For a description of Duresist Iron, see Page 11.

Z1400 SERIES TOP LOADING CLASSIFICATION

Top loading classification for all Zurn cleanouts is based on adequate support from the concrete pour. To ensure maximum loading classification, the top of all adjustable cleanouts must be rigidly supported at installation.

CLEANOUT RATING

Extra Heavy Duty	Light Duty
Z1400	ZN and ZB1400
ZN and ZB1400-HD	ZN and ZB1400-T
Z1402	ZN and ZB1402
ZN and ZB1402-HD	ZN and ZB1406
Z1404	Z1444
Z1406	Z1454
Z1474	Z1455
	Z1456
	Z1457