

Driveway Board Testing

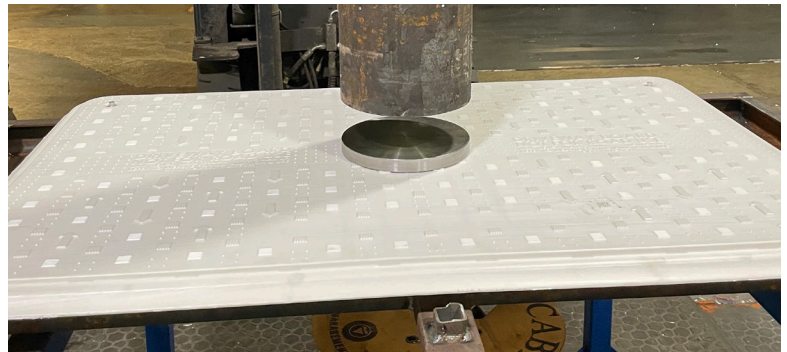
Load Testing:

Concentrated load tests have been carried out to the HAUC Advice Note No. 2018/01 Specification on the Driveway Board. The concentrated load tests have shown that the Driveway Board meets the requirements of the HAUC Specification.

The requirement is that the board shall be strong enough to support pedestrians and light vehicles whilst spanning a maximum trench width of 700 mm. The trench cover shall be capable of supporting a maximum weight of 875 kg and the failure load is no more than 1750 kg, when loaded at the centre.

The specification requires that the trench cover shall not deflect more than 5% of the maximum allowable span over the design life of the board. (35 mm).

The table displays results from the Driveway Board withstanding a load of 875 kg, whilst only deflecting by 24.4 mm. **These are a Pass.** The cover made it past 1750 kg with no failure.



Loading Plate Size	Fixings	Load	Deflection
(Ø mm)		(kg)	(mm)
250	Unbolted	400	08.7
		875	24.4

Slip Resistance:

A flat section of the trench cover has been tested in accordance with BS 7976: Part 2: 2002 'Pendulum Testers - Method of Operation'. The test has been performed with two sliders. These are:

- Slider 45 (Standard Simulated Shoe Sole).
- Slider 55 (Tyre Tread)

The results have been compared with the HSE and UK slip Resistance Group 2005 slip potential classification. Pendulum test values are: 0 - 24 (High Slip Potential), 25 - 35 (Moderate Slip Potential), 36 + (Low Slip Potential). The following are the results:

- Slider 45 - Dry 62 Wet 46
- Slider 55 - Dry 89 Wet 56

**Results show
no significant slip hazard.**

