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Seatite Hatch Assembly Load Deflection Test 20.05.2026

Using a calibrated load cell and dial indicator the following was observed.
The load and measurements were placed and recorded in the centre of the hatch

Seal In Position

Load	Deflection Total	Seal Compression
1.0 tonnes	1.35mm	0.15mm
1.5 tonnes	1.2 mm	0.45mm
1.6 tonnes	1.4mm	0.65mm

No seal in Position

Load	Deflection Total
1.3 tonnes	1.2mm
1.5 tonnes	1.4mm
1.6 tonnes	1.5mm
1.75 tonnes	1.7mm

Repeat Test with Seal Reinserted

Load	Deflection Total
0.5 tonnes	0.85mm
0.75 tonnes	1.2mm
1.0 tonnes	1.5mm
1.25 tonnes	1.8mm
1.50 tonnes	2.1mm
1.6 tonnes	2.3mm
1.75 tonnes	2.5mm

Certificate No: FS 37909
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