

DROP TEST METHOD FOR ADTEX-S SHATTERPROOF LAMP COATINGS

The drop test consisted of 15 unused lamps in total which were all covered with ADTEX-S FEP coating:

5 x 25 watt linear fluorescent lamps
5 x Lynx 36 watt lamps
5 x Lynx 26 watt lamps

- Each lamp was dropped horizontally from a height of 4 metres onto a flat concrete surface.
- The concrete surface around the lamp was inspected for shards of glass.
- No glass was found which concluded that glass did not escape from the lamp.
- The lamps were then visually inspected for holes and to ensure no shards of glass were found protruding through the ADTEX-S coating

IEC 61549 Standard Requirement

The standard requires the coating to retain all glass fragments and lamp caps in order to pass. Glass fragments are allowed to puncture the coating, but the glass must be retained.

Test Results

All of the lamps passed the specified drop test and fully complied with the requirements of the IEC 61549 standard.