

PT/291/1009 – AS (October 2009)
Assessment of Deepak Fasteners Ltd for
the application of Delta-Seal coating for
threaded fasteners - schedule



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1. Scope

To assess the anti-corrosion coating for threaded fasteners produced by Deepak Fasteners Ltd to WIS 4-52-03 using Delta MKS Delta-Seal (blue, black or silver).

2. Assessment schedule

2.1 To assess the performance of the Delta MKS Delta-Seal anti-corrosion coatings against WIS 4-52-03.

2.2 To confirm the quality control procedures at the Ludhiana plant, India.

3. Review of performance tests

3.1 The following performance tests are required by WIS 4-52-03:

- Effect on water quality. The coating needs to comply with BS 6920 to demonstrate compliance with the requirements of Regulation 31 of the Water Supply (Water Quality) Regulations 2000
- Coating thickness and thickness of each layer (to value declared by manufacturer)
- Freedom from holidays/pinholes
- Adhesion (V-cut test, Cross-hatch test)
- Cure
- Long term protection of component (salt spray)
- Resistance to damage (impact)
- Ability to hold torque load

4. Review of procedures

In addition to the performance of the anti-corrosion coating, the following items are checked.

Quality control, as it applies to:

- incoming materials;
- control of production;
- outgoing products (quality control testing)

5. Reference documents

1. WIS 4-52-03 Specification for anti-corrosion coatings on threaded fasteners. Issue 1: 1994 (as amended).