

ALUMINUM TEST BLOCK



Part Number: 14755

GENERAL DESCRIPTION

The Magnaflux® Aluminum Test Block is an aluminum test piece measuring 3" x 2" x 3/8" with a 1/8" wide groove that splits the face in half. The test block is used to check the strength of "in-use" penetrants. This is done by processing one half of the block with "in use" penetrant and the other half with "fresh" penetrant.

INSTRUCTIONS

Thoroughly clean, dry and check the test block with a black light. Apply "in use" penetrant from the system to one side of the test block and unused sample penetrant to the other. Both should look the same in brightness and sensitivity. If the brightness and sensitivity of the "in use" penetrant is noticeably less than the reference penetrant, the "in use" penetrant is unsatisfactory for use.

SPECIFICATIONS COMPLIANCE

ASTM E 165 (Section 7.2)

ASME Boiler and Pressure Vessel Code

ASTM E1417/E1417M-11 (Section 7.8.3.4)

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Date 09252017

Form # 1100

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This is to certify that the Magnaflux Liquid Penetrant Comparator, Aluminum Test Block meets the following requirements:

- ASME Boiler & Pressure Vessel Code 2015 Edition, Section V Nondestructive Examination, Article 6, Para. T-653 and Mandatory Appendices, Appendix III, Paragraph III-630
- AMS 2644E, Para. 4.4.5.2.1

Additional Information

- 1) No annual recertification is required.
- 2) Block must be ultrasonically cleaned and checked with a black light after each use.
- 3) Blocks that cannot be completely cleaned should be replaced.

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