

*The Leader in Rust Inhibitive Coatings*

Date: 10/11/2013

**Subject:**

ASTM D3363 Standard Test Method for Film Hardness by Pencil Test

**Sample Description:**

One cold-rolled steel Q-Panel coated with Rust Bullet Standard Formula Rust Inhibitive Coating at 6 mil dry film thickness, applied in a 3 coat spray application. A smooth rigid substrate, properly cured for a minimum of 7 days.

**Objective:**

Determination of film hardness of Rust Bullet Standard Formula Rust Inhibitive Coating.

**Method:**

Testing performed in accordance with the procedures set forth in ASTM D3363

Ambient Atmosphere: 73°F / 50% Relative Humidity

Coated Panel placed on level, firm, horizontal surface / Pencil held firmly with lead against the film at a 45° angles (point away from operator), pushed away from operator.

**Apparatus:**

Derwent Graphite Calibrated Graphic Pencils,

**Report:**

Gough Hardness: 9H Pencil failed to gouge the film and did exhibit a slight crumbling of the edge of the lead.

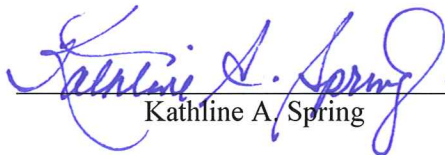
The test was repeated twice with 2 separate operators & 2 separate pencils with the same results

Scratch Hardness: 9H Pencil failed to rupture or scratch the film

The test was repeated twice with 2 separate operators & 2 separate pencils with the same results

**Conclusion:**

Rust Bullet Standard Formula Rust Inhibitive Coating Pencil Hardness is 9H

  
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10-11-2013  
Date

  
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