



# STANDARDS & CERTIFICATIONS

*SlipNOT*<sup>®</sup> Metal Safety Flooring is the preeminent choice for slip resistant products. *SlipNOT*<sup>®</sup> is an ISO 9001:2015 registered company. *SlipNOT*<sup>®</sup> products are also registered by NSF International Nonfood Compounds Registration Program and the Canadian Food Inspection Agency (CFIA). *SlipNOT*<sup>®</sup> products far exceed ALL standards and recommended guidelines for slip resistance. *SlipNOT*<sup>®</sup> products' coefficient of friction values are certified by independent laboratory testing.

Coefficient of friction (COF) is a dimensionless number that indicates relative surface friction. There are two (2) types of COF that are useful in determining floor safety:

- 1. Static COF:** (SCOF) The ratio of horizontal force needed to start an object sliding to the normal force pressing against it.
- 2. Dynamic COF:** (DOCF) The ratio of horizontal force needed to keep an object sliding to the normal force pressing against it.

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## All *SlipNOT*<sup>®</sup> non-slip products exceed all COF recommendations / standards as set by the following agencies: **AMERICAN'S WITH DISABILITIES ACT (ADA): (ADA) TITLE LLL REGULATION: A4.5.1**

Minimum requirements for coefficient of friction for compliant surfaces:

- ▶ 0.6 for flat surfaces (dry COF)
- ▶ 0.8 for inclined surfaces (dry COF)

*SlipNOT*<sup>®</sup> exceeds minimum ADA requirements even when wet or oily.

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## OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA):

OSHA no longer provides definitive recommendations for minimum coefficient of friction. Prior to 2006, OSHA's minimum COF recommendation was 0.5 (dry).

- ▶ *SlipNOT*<sup>®</sup> products have COF values nearly double the 0.5 recommended value.

OSHA requires slip resistance for ladders: OSHA standard # 1926.1053 (a)(6)(i) and 1910.26 (a)(1)(v).

- ▶ *SlipNOT*<sup>®</sup> ladder rungs and rung covers exceed all recommendations specified by OSHA Standard # 1926.1053 (a)(6)(i) and 1910.26 (a)(1)(v).

OSHA Standard 1910.24F: "Stair treads – All treads shall be reasonably slip resistant and the nosings shall be of non-slip finish."

- ▶ *SlipNOT*<sup>®</sup> Metal Safety Flooring products exceed OSHA Standard 1910.24F for slip resistance on stair treads.

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## NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):

The NFPA requires minimum COF values of 0.68 (wet surfaces) for compliant surfaces.

- ▶ *SlipNOT*<sup>®</sup> tests at 1.0 in accordance with ASTM F1679 test method as directed by the NFPA.

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## NATIONAL FLOOR SAFETY INSTITUTE (NFSI):

NFSI defines high traction as those walking surfaces whose wet SCOF > 0.6 under the NFSI 101-A standards.

- ▶ *SlipNOT*<sup>®</sup> has a coefficient of friction that is greater than or equal to 0.85 and qualifies as a high traction surface.

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## AMERICAN NATIONAL STANDARD INSTITUTE (ANSI):

ANSI defines three (3) wet static COF levels. *SlipNOT*<sup>®</sup> is defined as a high traction surface, due to a COF of 0.85 or higher.

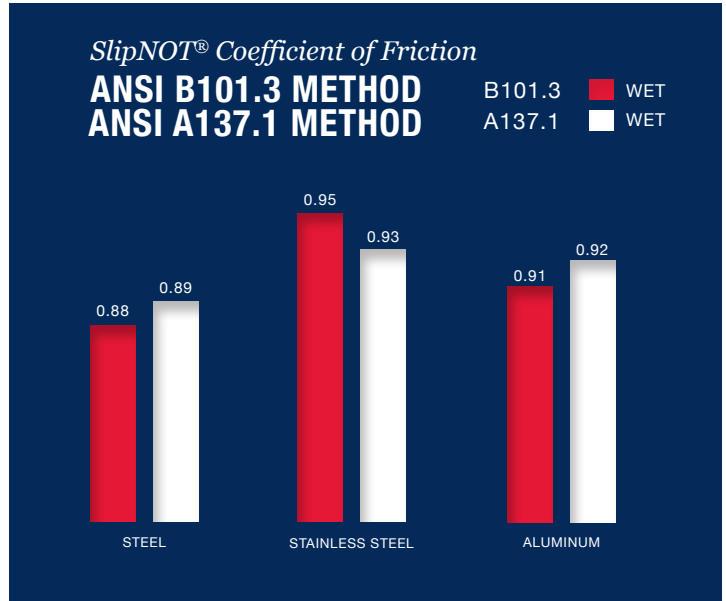
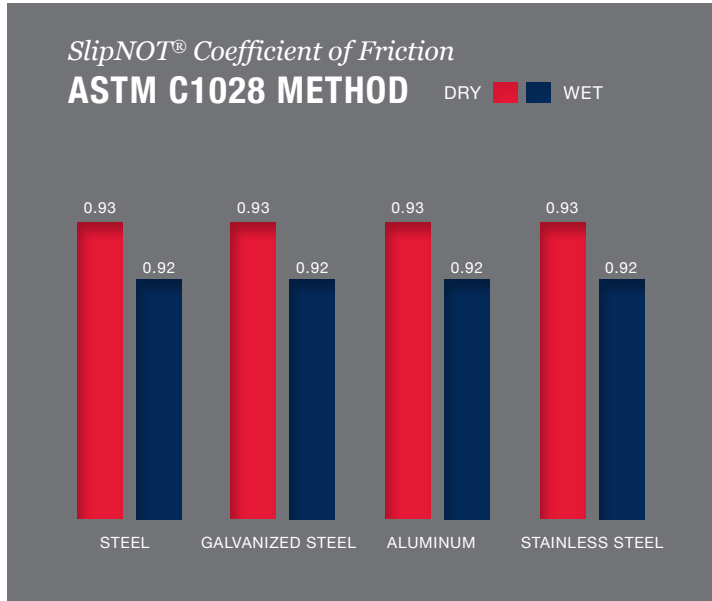
- ▶ High traction (> 0.6) (wet COF)
- ▶ Moderate traction (0.4 - 0.6) (wet COF)
- ▶ Low traction (< 0.4) (wet COF)

**AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):**

ASTM does not currently regulate COF values, however, they do provide various methodologies for evaluating COF values:

- ASTM F1677
- ASTM F1679
- ASTM F609
- ASTM C1028
- ASTM D5859
- ASTM F1678
- ASTM F489
- ASTM E303
- ASTM D2047

SlipNOT® qualifies as an ASTM and ANSI slip resistant surface. Coefficient of friction values will vary depending upon the test method and sensor material.



**UNDERWRITERS LABORATORIES (UL 410):**

UL defines slip resistant surfaces as those with a dry SCOF > 0.50 (when tested with leather sensor).

- SlipNOT® exceeds the 0.50 definition of a slip resistant surface.

SlipNOT® is continually being specified and utilized by companies and agencies throughout North America due to its high surface friction and long term durability. Please contact a sales representative at 1-800-754-7668 (800-SlipNOT) for further information.

**SlipNOT® test results and references available, please contact us for more information.**