

# THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS

The Americans with Disabilities Act (ADA), is a wide ranging civil rights law that prohibits individuals with disabilities to be discriminated against based on their disability alone. This not only includes job application procedures, hiring, advancement, workers compensation, job training and salary, but it also includes entrances and exits to public buildings, public transportation, enjoyment of restaurants, hotels, educational facilities, and other recreational locations.

Listed below are the ADA compliant requirements for ground and floor surfaces.

## > General Ground And Floor Surface

- ADA ground and floor surfaces along accessible routes must be stable, firm, and slip resistant. Wheelchairs move most easily on hard, stable, and regular surfaces. Soft loose surfaces such as sand or gravel, wet clay, or cobblestones can make it difficult for wheelchairs to move in ease.

## > Changes In Level

- Changes in level up to 1/4 in (6 mm) may be vertical and without edge treatment
- Changes in level between 1/4 in and 1/2 in (6 mm and 13 mm) shall be beveled with a slope no greater than 1:2
- Changes in level greater than 1/2 in (13 mm) shall be flush and free of abrupt changes

## > Gratings

- If gratings are located in walking surfaces, then they shall have spaces no greater than 1/2 in (13 mm) wide in one direction
- If gratings have elongated openings, then they shall be placed so that the long dimension is perpendicular to the main direction of travel

## > Slip Resistance

- Slip resistance is based on the frictional force necessary between the shoe and walking surface
- ADA requires values of 0.60 coefficient of friction (COF) for level surfaces and 0.80 COF for ramps

## WHAT MAKES SLIPNOT® ADA COMPLIANT?

All SlipNOT® products exceed the ADA mandated value of 0.60 COF for level surfaces and 0.80 COF for inclines. For materials purchased with openings, the following shows ADA compliant spacings:

### > Grating

Bar grate style designations represent the distance bearing bars and cross bars are spaced. The bearing bars (called span) should run perpendicular to the route of traffic. The cross bars run perpendicular to bearing bars. **For example:** The 7-2 bar grating means that bearing bars are spaced 7/16" center-to-center (1/4" opening between bars) and cross bars are spaced at 2" centers. SlipNOT® offers the following ADA compliant options:

- 7-2 (1/4" open)
- 7-4 (1/4" open)
- 11-2 (1/2" open)
- 11-4 (1/2" open)

### > Perforated Plate

Walking surfaces shall have openings no greater than 1/2" (13mm). SlipNOT® carries stock patterns of perforated plate with the following ADA options:

- 1/4" diameter
- 3/8" diameter
- 1/2" diameter

### > Aluminum Planking

Similar to perforated plate, openings should not exceed a 1/2" (13mm). SlipNOT® solid aluminum plank exceeds all COF requirement.

### > Floor Plate

SlipNOT® steel, stainless steel, and aluminum slip resistant coatings measure 0.9-1.0 and far exceed ADA's mandated values of 0.60 COF for level surfaces and 0.80 COF for ramps.

