



CENTRAL KEYSTONE COUNCIL OF GOVERNMENTS

1610 Industrial Boulevard, Suite 400A
Lewisburg, PA 17837

The 2009 ICC A117.1, Accessible and Usable Buildings and Facilities is the standard we are currently using in the Commonwealth. Section 502.5 states that parking spaces and access isles shall comply with section 302. That section states that surfaces shall be stable, firm and slip resistant.

Below are the American with Disabilities Act details for those requirements.

The Key ADA Requirements for "Rollable" Surfaces.

To be considered legally and practically accessible, a parking space and its adjacent access aisle must adhere to the following:

- **Firmness:** The ground must not deform or sink under the weight of a wheelchair, power chair, or the user's body weight.
- **Stability:** The surface must resist movement and shifting.
- **Slip Resistance:** It must provide adequate traction, particularly in wet weather.
- **Maximum Slope:** The slope cannot exceed 1:48 (2.08%) in any direction. This ensures a wheelchair won't roll away while transferring and prevents tipping.

How "Rough" is Too Rough?

- **Potholes & Cracks:** Any surface deterioration that catches a small front wheelchair caster or poses a tripping hazard is unacceptable.
- **Asphalt:** Standard seal-coated asphalt is excellent, but alligator cracking or crumbling edges render a lot unsafe.
- **Concrete:** Must be smooth and properly finished without rough protrusions or large gaps.
- **Gravel & Pavers:** Traditional loose gravel is **not** rollable. To make a gravel or stone surface accessible, it must be locked into place (such as with a resin binder or geo-grid system) to meet the firm and stable standard.
- **Tactile Surfaces:** Grooves or rough textures should only be used as truncated domes for detectable warnings; they should not be present in the direct path of travel.