

R406 Ramps

R406.1 General. Ramps shall comply with R406.

R406.2 Slope. Ramp runs shall have a running slope between 5 percent minimum and 8.3 percent maximum.

R406.2 Slope. To accommodate the widest range of users, provide ramps with the least possible running slope and, wherever possible, accompany ramps with stairs for use by those individuals for whom distance presents a greater barrier than steps, for example, people with heart disease or limited stamina.

R406.3 Cross Slope. Cross slope of ramp runs shall be 2 percent maximum.

R406.4 Surfaces. Ramp run surfaces shall comply with R301.5.

R406.5 Rise. The rise for any ramp run shall be 76 cm (30 in) maximum.

R406.6 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with R406.6.

R406.6.1 Slope. Perpendicular and parallel ramp landing slopes shall be 2 percent maximum.

R406.6.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.

R406.6.3 Length. The landing clear length shall be 1.5 m (5.0 ft) long minimum.

R406.6.4 Change in Direction. Ramps that change direction between runs at landings shall have a clear landing 1.5 m (5.0 ft) minimum by 1.5 m (5.0 ft) minimum.

R406.7 Handrails. Ramp runs with a rise greater than 15 cm (6 in) shall have handrails complying with R408.

R406.8 Edge Protection. Edge protection complying with R406.8.1 or R406.8.2 shall be provided on each side of ramp runs. Edge protection shall not be required on curb ramps and their landings.

R406.8.1 Extended Ramp Surface. The surface of the ramp run or landing shall extend 31 cm (12 in) minimum beyond the inside face of a handrail complying with R408.

Advisory R406.8.1 Extended Ramp Surface. The extended surface prevents wheelchair casters and crutch tips from slipping off the ramp surface.

R406.8.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 100 mm (4 in) diameter sphere, where any portion of the sphere is within 100 mm (4 in) of the ramp surface.