

Multipliers for Various Surfaces May Surprise You

How do adverse conditions affect stopping distance?

The table gives examples relative to dry asphalt.

(Note that our model is simple. Friction and therefore deceleration goes down with higher velocity, but drag from air goes up.)

Surface	Relative Deceleration	Relative Stopping Distance
Dry asphalt	1.00	1.00
Wet asphalt / gravel / sand	0.667	1.50
Dry earth	0.755	1.32
Wet earth	0.611	1.64
Packed snow	0.222	4.50
Ice	0.111	9.00