

# ROLOGARD K-2400hd Series Impact Data/Performance Rating

The following datum is consistent with recognized standard reporting protocols and is presented as:

Vehicle Brand/Type/Weight/Unanchored-Anchored/Speed/Impact Angle/Penetration/Lateral Displacement/Debris Displacement/Barrier Model. The nomenclature is in kilograms and kilometers where applicable; Penetration, Lateral Penetration and Debris displacement reference distance from point of impact, off center line, and dispersal of debris that exceeds 10kg in weight.

**PERFORMANCE RATING: Dodge/4dr p-u/2232kg/Unanch/34kph/90deg/3.3m/.3m/0m/k-2400hd**

## UNANCHORED IMPACT



55



56

Dodge, 4 door pickup, weighing 2232 kilograms, unanchored, impact speed of 34 kilometers per hour, vehicle impacting barrier at 90 degree angle, penetration 3.3 meters from point of impact, displaced .3 meters off impact centerline, 0 meter of debris fly-out, rologard k-2400hd series mobile vehicle security barrier. The barrier was set in place not anchored, on a clay type soil w/less than .002 mineral soil particles, 30 kPa moisture tension as per U.S. Dept. of Agriculture Natural Resources Service survey (9-25-2017).

**PERFORMANCE RATING: Dodge/4dr p-u/2232kg/Anch/34kph/90deg/1.3m/.2m/0m/k-2400hd**

## ANCHORED IMPACT



57



58

Dodge, 4 door pickup, weighing 2232 kilograms, anchored, impact speed of 34 kilometers per hour, vehicle impacting barrier at 90 degree angle, penetration 1.3 meters from point of impact, displaced .2 meters off impact centerline, 0 meter of debris fly-out, rologard k-2400hd series mobile vehicle security barrier. The barrier was set in place and anchored w 1-meter anchors, on a clay type soil w/ less than .002 mineral soil particles, 30 kPa moisture tension as per U.S. Dept. of Agriculture Natural Resources Service survey (9-25-2017).

# ROLOGARD K-2400hd Series Impact Data/Performance Rating

**PERFORMANCE RATING: Dodge/flat bed/3955kg/Unanch/41kph/90deg/4.1m/.2m/0m/k-2400hd**

## UNANCHORED IMPACT



Dodge, flat bed truck, weighing 3955 kilograms, unanchored, impact speed of 41 kilometers per hour, vehicle impacting barrier at 90 degree angle, penetration 4.1 meters from point of impact, displaced .2 meters off impact centerline, 0 meter of debris fly-out, rologard k-2400hd series mobile vehicle security barrier. The barrier was set in place not anchored, on a clay type soil w/less than .002 mineral soil particles, 30 kPa moisture tension as per U.S. Dept. of Agriculture Natural Resources Service survey (9-25-2017).

**PERFORMANCE RATING: Dodge/flat bed/3941kg/Anch/39kph/90deg/4.1m/.2m/0m/k-2400hd**

## ANCHORED IMPACT



Dodge, flat bed truck, weighing 3941 kilograms, anchored, impact speed of 39 kilometers per hour, vehicle impacting barrier at 90 degree angle, penetration 2.9 meters from point of impact, displaced .7 meters off impact centerline, 0 meter of debris fly-out, rologard k-2400hd series mobile vehicle security barrier. The barrier was set in place and anchored w 1-meter anchors, on a clay type soil w/ less than .002 mineral soil particles, 30 kPa moisture tension as per U.S. Dept. of Agriculture Natural Resources Service survey (9-25-2017). Noted: This was the 4th impact experienced by 1 meter anchors.